Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 151 No. 1 January 6, 1947

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Oil, Paint and Drug Reporter

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President Officially Ends Hostilities

OPD Washington Bureau

The 1944 increase in excise taxes on such items as distilled spirits and toiletries was one of the more important wartime measures affected December 31 when President Truman proclaimed that the period of hostilities of World War II had ended. The proclamation also brought to an end a number of the other war powers of the President and signalled the end of other, more important powers six months thereafter.

The proclamation did not terminate the state of emergency declared by President Roosevelt on September 6, 1939 and May 27, 1941, on which the bulk of the President's war powers are based, nor did it have the effect of terminating the state of war itself. It terminated merely the period of hostilities, and thus the authority for such agencies as the Civilian Production Administration, and the Office of Temporary Controls and the activities of these agencies were not affected.

Powers under some twenty statutes were terminated immediately upon the issuance of the proclamation, while government powers under some thirty-three others are to be terminated at a latter date, generally at the end of six months.

The excise tax rates will revert back to those in effect prior to the 1944 enactment on July 1, 1947, unless Congress acts in the meantime to change the effective date.

Among the items affected are toilet preparations, reduced from 20 percent to 10 percent; distilled spirits, reduced from $9 per gallon to $6 per gallon; imported perfumes containing distilled spirits, reduced from $9 per gallon to $6 per gallon; long distance telephone, reduced from 25 percent to 20 percent; domestic telegraph, cable, or radio dispatches, reduced from 25 percent to 15 percent; local telephone service, reduced from 15 percent to 10 percent; and transportation of persons, reduced from 15 percent to 10 percent.

Another important item in the tax field affected by the proclamation is

—Continued on page 46

Short Supply Commodities Listed

OPD Washington Bureau

As required by the price control extension act, Secretary of Agriculture Clinton P. Anderson has certified to the Temporary Controls Administrator further changes, effective January 1, in the list of agricultural commodities originally certified as in short supply on September 1, 1946. No new commodities were added. The following commodities were removed:—

Grain sorghums, including all food and feed products thereof, except protein meal, sweeteners, and oils; millfeeds and other grain byproducts, except protein meals; soft drinks and soft drink powders; dessert powder and gelatin and distilled spirits.

Under the provision of the price control extension act, the Secretary of Agriculture is required to certify on the first day of each month any modifications in the certified list of agricultural commodities in short supply. Commodities subject to maximum prices are automatically decontrolled when removed from this list. All the commodities listed above, however, had been removed from price control prior to this certification.

A number of commodities were re-

—Continued on page 79

National Lead Buys Texas Smelting Co.

The National Lead Company has acquired the mill and mining properties of the Texas Mining & Smelting Company, Laredo, Tex. The Texas company produces antimony metals and antimony oxide.

Chemical Detergents Exports Decontrolled

OPD Washington Bureau

The Office of International Trade has announced removal of export licensing control over a number of commodities, including synthetic chemical detergents and plaster of paris. This brings to more than 150 the number of items decontrolled in the last two months.

Explosives Transport Exemption Extended

OPD Washington Bureau

The exemption that has been granted motor carriers of inflammable liquids from the regulations of the Interstate Commerce Commission governing the transportation of explosives and other dangerous articles has again been extended by the commission until December 31, 1947.

Under the rules these carriers had been required to conform to certain safety requirements, but due to the difficulties of complying with the rules during the war because of scarcity of materials the carriers of inflammable liquids, chiefly petroleum products, were granted an exemption. This exemption which has been continued from year to year since 1943, would have expired December 31, 1946.

Rubber Purchasing Agreements Cancelled

OPD Washington Bureau

The State Department announced the cancellation, December 31, of the United States rubber purchasing agreements with Ecuador, Haiti and Bolivia.

Nine out of the seventeen original rubber purchasing agreements negotiated with Western Hemisphere countries remain in effect and will continue until June 30 unless cancelled before that time by mutual consent. These are the agreements with Peru, Colombia, Brazil, Costa Rica, Nicaragua, Panama, Mexico, British Guiana and Trinidad and Tobago.

The agreements with Guatemala, El Salvador, Honduras, British Honduras and Venezuela expired previously.

FTC Asks Adequate Funds To Halt Merger of Competitors

OPD Washington Bureau

A broad program of antitrust law enforcement supported by appropriations adequate to do the job of reducing economic concentrations, and authority to the Federal Trade Commission to forbid mergers and acquisitions of competing corporations above a specified size, is recommended in a voluminous staff report to the monopoly subcommittee of the house.

The staff found that the severest criticism should be directed at the lack of an overall governmental policy in the executive branch regarding concentration because it has been found in some agencies that not only is there a lack of interest, but there are policies which actually promote concentration. This has been true, it stated, of certain activities in such administrative agencies as the War Assets Administration, the Civilian Production Administration and the War and Navy Departments.

Equally serious, it was added, is the fact that where an effort is made to prevent economic concentration, the program tends too often to be made on a case or piecemeal basis without a careful appraisal of the necessity for doing "first things first." Most efficient business organizations of reasonable size have found it necessary to have marketing analysts advise them on where they ought to direct their sales efforts so as to produce the best returns to the company. The staff said it does not see any reason why such sound business practices cannot be applied by the government in its efforts to prevent concentration.

"Each year that economic concentration increases makes a maintenance of the competitive enterprise economy increasingly difficult," according to the report. "The stronger monopolistic forces become, the more insistent are the arguments that really effective antitrust action will dislocate business.

"Either we must believe in, and take the steps necessary to make possible, a competitive enterprise system, or we must give it up, bit by bit, year by year.

"If it is intended that economic concentration should be reduced, there is no avoiding some government interference with business and some expenditure of government funds. We cannot avoid paying a price for our ineffective and inconsistent action regarding concentration over the last fifty years."

The report carried a long list of what it described as "essential changes" in both administrative and legislative actions to bring about an effective program. Among these were the following:—

Issuance of an executive order by the President to all departments setting forth a firm and inclusive policy toward reducing concentration and eliminating restrictive practices.

The Federal Trade Commission now has the authority to make continuing

—Continued on page 44

Fats, Oils First Quarter Imports Set

The Department of Agriculture has announced that the United States expects to schedule for import approximately 240,000,000 pounds of fats and oils and to schedule for export approximately 138,000,000 pounds during the first quarter of 1947. This is on the basis of the International Emergency Food Council recommendations for the international distribution of fats and oils during the first quarter. It is the first time since 1942 that the United States will be on a net import rather than a net export basis.

No recommendation for the international distribution of fats and oils during later quarters of 1947 were made by I. E. F. C. although it announced its intention to promulgate such recommendations prior to the beginning of the second quarter.

Exports of fats and oils from the United States contemplated under this program would consist principally of lard, soybean oil, shortening, margarine and soap together with relatively small quantities of other fat and oil commodities. Imports into the United States would consist principally of copra, linseed oil, castor beans and oil and smaller quantities of tung, rapeseed and other oils.

Penicillin Suppositories Rules Issued by FDA

Regulations for tests and methods of assay and for the marketing of penicillin vaginal suppositories was issued by the Food and Drug Administration January 2 to become effective immediately.

The marketing regulations limit the potency of each suppository to not less than 100,000 units and the potency period to twelve months from the date of certification. Under the regulations these suppositories may be purchased only on prescription.

Price Trend Starts New Climb

Most price schedules presented for the new year in the markets for chemicals, oils, and drugs last week were higher. They were also relatively narrow, because suppliers in many lines had not yet got rid of the uncertainties and unknowns that inevitably would influence the extent to which prices would have to be advanced. The announced schedules were conservative in their reflection of fully appraisable increases in costs. Resale quotations were more responsive.

A noticeable novelty in the new schedules was the inclination to quote prices at a works basis and to pass at best most of the freight charges to the buyer's account. It was also to be noted that quotations in paper bags were replacing those in metal containers.

One of the most important advances was that on acetic acid. This carried up with it several inorganic acetates and a large number of organic compounds. The situation with respect to chlorine had a further influence on chlorobenzenes, carbon tetrachloride, and a number of important inorganic chlorides. Aldol and some aldehydes were higher, also formic, oxalic, and tannic acids. DDT had an almost unique position on the down side.

Castor oil got another boost by reason of the very high level of beans in Brazil where European buyers are more generous than those in the United States care to be. Linseed and soybean oils were put up by increasing inadequacy of supplies. There was a downward trend in essential oils because imports have increased substantially. The spice trend also was downward. The textile chemicals and drugs divisions of the markets were out of line with lower averages for the week; egg albumen and menthol were the contributors.

More tightness characterized coaltar chemicals and the effect ran out as far as xylol musk. Chemical dry colors were up in many quarters. So was carbon black.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of price for chemicals and related materials is currently as follows:—

Jan. 2, 1947	Dec. 30, 1946	Jan. 3, 1946
150.5	**150.3**	**135.1**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1946	1945	1941
January	135.3	133.0	107.8
February	135.4	133.2	110.3
March	135.2	132.7	111.9
April	134.9	132.2	115.5
May	135.1	132.5	118.2
June	135.4	132.5	121.9
July	137.7	133.5	125.5
August	136.6	133.9	128.2
September	137.0	134.0	130.4
October	143.1	133.5	133.2
November	149.2	134.0	135.1
December	150.2	134.8	140.3
Year's average	138.8	133.3	123.2

Distilled Spirits Labeling Hearing Set

OPD Washington Bureau

The Bureau of Internal Revenue will hold hearings January 13 in the Department of Justice Building here on a series of proposed amendments to its regulations relating to the labeling and advertising of distilled spirits. For the benefit of the industry members in the West, hearings will be held on the same proposals at the Palace Hotel, San Francisco on January 30.

The proposed amendments would define the term "gallon" to mean 231 cubic inches of alcoholic beverage at 60° Fahrenheit so that the definition will conform to present Internal Revenue requirements.

They would also provide that "neutral spirits" or "alcohol" shall not only be distilled at or above 190° proof as now required, but also that it shall be actually neutral in character. Other proposed changes relate to the labeling of various liquors and liqueurs.

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Schering Elects O'Connor to Board

Basil O'Connor has been elected to the Board of Directors of the Schering Corporation, pharmaceutical manufacturer, Bloomfield and Union, N. J. Mr. O'Connor is chairman of the American Red Cross and president of the National Foundation for Infantile Paralysis.

Market Reports

Calcium Arsenate—Higher prices have been named to dealers. Carlots in drums are held at 9c. per pound and 10c. to 16c. for less at works, freight allowed to some points.

Epsom salt, U.S.P., prices were advanced 25c. per 100 pounds, following an earlier rise in quotations on technical material. Carlots in bags now cost $2.25 per 100 pounds; barrels, $2.35; kegs, $2.60.

Lead Arsenate — Producers have named a higher selling schedule to dealers. Carlots are 20c. per pound and at 21c. to 29½c. per pound for smaller quantities depending upon size and style of package. Prices are works or nearest warehouse point, freight allowed in the East on 96 pounds or more.

Methylene blue prices were advanced late last week to the basis of $2.20 per pound in quantities of 100 pounds or more; 50-pound lots, $2.30; 25-pound lots, $2.35. The change reflects higher production cost.

Paris Green—An advance in prices has been made to dealers. Carlots in 100-pound drums are held at 31c. and at 34c. per pound for 25-pound drums, the range extends to 58c., according to the size of package. The l.c.l. price ranges from 32c. to 60c. per pound, depending upon size of order and style of package. Prices are f.o.b. works or nearest warehouse point freight allowed in the East on 96 pounds or more.

Petrolatums prices were advanced ¾c. per pound for all grades, it was announced by one producer. The increased prices were made effective January 1.

Silver bullion prices were officially reduced 1c. per ounce, making the new market 82¾c. per ounce.

Sulphathiazole prices have been advanced 50c. per pound, making the range $3 to $3.15 per pound, prevailing according to quantity.

Soda-sulphathiazole quotations now stand 50c. per pound above their former position. The range, according to quantity, $3 to $3.15 per pound.

White Mineral Oils were advanced in price by one producer, effective January 1. Light oils were advanced 4c. per gallon, and heavy oils were increased 7c. per gallon.

Buenos Aires, Jan. 3.—No flaxseed shipments were made last week. Visible supply of flaxseed was not available.

London, Jan. 3.—Linseed oil spot quoted at 135s. per 112 pounds.

Enjay Co. Formed By N.J. Standard

Organization of Enjay Company, Inc., to take over the sale and distribution of all products handled by the chemical products department, Stanco Distributors, Inc., and Standard Alcohol Company has been announced by H. W. Fisher, president of the new company, which is a subsidiary of Standard Oil Company (New Jersey). The new organization started to function January 1. Enjay company will handle the national and export marketing of numerous products based on synthetic chemicals derived from petroleum, as distinguished from regular petroleum products such as gasoline and lubricating oil.

Officials of the new company, in addition to Mr. Fisher, are John A. Britton, jr., and James G. Park, vice-presidents; W. F. Quick, secretary; H. P. Shoeck, treasurer; G. M. Buckingham, assistant secretary, and L. R. Moore, assistant treasurer.

ICC Extends Service Order 434 to June 30

OPD Washington Bureau

The Interstate Commerce Commission has extended the provisions of Service Order 434 limiting free time on box cars until June 30. The order had been scheduled to expire December 31, 1946.

WAA Requests New Bids on Pipelines

OPD Washington Bureau

The War Assets Administration has called for the offering of new bids by February 8 for the purchase of the government's Big Inch and Little Inch pipelines. The bids will be opened February 10. A special form has been prepared for bidders which imposes no conditions on the use of the lines. The lines are being offered on a cash sales basis and no mention is made of leases in the announcement.

Barbiturates Uniform Bill Passage Urged

State pharmacy organizations are being urged by Dr. Robert P. Fischelis, secretary to the American Pharmaceutical Association, to press for action at the coming sessions of the state legislatures on the uniform state barbiturates bill recently approved by the National Drug Trade Conference.

Dr. Fischelis warned that unless sufficient interest is shown in the legislation at the state government level the alternative may be action by Congress on a Federal bill placing the drug under the Harrison Narcotic Act, and thus unnecessarily subjecting the drug to all the stringent controls of that act.

The uniform state barbiturate bill has the support of all branches of the profession of pharmacy and the drug industry and the anticipated backing of the American Medical Association. Briefly, it limits the distribution of barbiturates to the prescription of physicians. It limits renewal of prescription to the specification of the prescriber. If the prescription carries no directions with respect to renewal it cannot lawfully be renewed.

Chlorine Tankcar Rule Revoked

The Civilian Production Administration has revoked direction 24 to PR-13 which sought to limit the sales of some seventy-three surplus chlorine pressure tankcars by the War Assets Administration solely to persons who could certify that these cars would be used only for chlorine transportation.

The order was revoked because the cars subsequently were recalled by the Reconstruction Finance Corporation and thus are no longer available for sale. Also, it was felt that the purposes intended for the cars could be more easily accomplished under leasing arrangements of the RFC than through sale by the WAA.

Chemical Specialties Off Positive List

The Office of International Trade announces the removal of the following chemical specialties from the positive list of products requiring individual licenses for export:—arctic syntex M; igepon T; igepon TD; MP 189; MP 189 SX; MP646; nacconal HG; nacconal NR; nacconal NRG; nacconal NRSF; neutronyx 33; santomerse No. 1; santomerse No. 3; santomerse No. 55; synthetic detergent 92; ultra wet A; ultra wet 40A; ultra wet 60A; vel.

Anhydrous Ammonia Charges Revised

The Barrett Division of Allied Chemical & Dye Corporation, New York, has announced, effective January 1, the following detention charges will apply on tankcar equipment in which anhydrous ammonia is shipped. Free time maximum, 24 hours (Sundays and holidays excepted). After expiration of free time allowed, the following charges per day or fraction of day will be made until car is released: for the first and second days, $6.00; for the third day, $12.00, and for each succeeding day, $18.00.

Calif. Standard Sued as 'Trust'

OPD Washington Bureau

The first of a series of antitrust enactments growing out of the "Mother Hubbard" suit against the petroleum industry was filed by the Department of Justice in the United States District Court at Los Angeles January 2 against the Standard Oil Company of California and its wholly owned subsidiary, Standard Stations, Inc.

Attorney General Tom C. Clark announced that similar suits will be brought in the near future against other major oil companies which have entered into exclusive dealing contracts.

The two California companies are charged by the department with illegally using a series of exclusive dealing contracts and agreements with approximately 7,000 operators of service stations and garages in far western states by which these retail outlets are obligated to deal exclusively in petroleum products and automotive accessories distributed or sponsored by Standard, and are prevented from handling the products of other companies.

Wendell Berge, assistant Attorney General in charge of the antitrust division, stated that through various inducements the defendant companies have succeeded in securing control over, and the exclusive right to distribute their products through, many thousands of service stations and garages, and that independent producers of petroleum products and automotive accessories have thus been deprived of access to a substantial part of all retail outlets in the far west.

He said that these contracts and agreements clearly violate Section 3 of the Clayton Act and are contracts in restraint of trade in violation of Section 1 of the Sherman Act.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with the goods or information can get the full address of the inquirer by communicating with the OPD office:—

Acetic acid, 99 percent, 10,000 pounds, Bangkok, Siam (A-8).

Cellulose solvents, Loire, France (A-6).

Paint manufacturing, technical information and machinery, Port Melbourne, Australia (A-2).

Paint materials, Rhone, France (A-5).

Polyvinyl chloride sheeting, London, Antimony oxide, Milano, Italy (A-17).

Arsenous acid, Milano, Italy (A-17).

Benzol, nitration, Milano, Italy (A-17).

Butyl alcohol, Milano, Italy (A-17).

Butyl phthalate, Milano, Italy (A-17).

Caustic soda, Milano, Italy (A-17).

Cresylic acid, Milano, Italy (A-17).

England (A-4).

Printing ink, Melbourne, Australia (A-1).

Sardine oil, London, England (A-3).

Soap machinery, Turin, Italy (A-7).

Synthetic resin manufacturing, technical information and machinery, Port Gilsonite, Milano, Italy (A-17).

Leather chemicals, Ceara, Brazil (A-10).

Melbourne, Australia (A-2).

Methyl phthalate, Milano, Italy (A-17).

Milk powder, Rio de Janeiro, Brazil (A-12).

Naphthalene, crude, Milano, Italy (A-17).

Oleomargarin, Ceara, Brazil (A-11).

Paints and varnishes, Sao Paulo, Brazil (A-14).

Pharmaceutical products, Bahia, Brazil (A-13); Manaus, Brazil (A-15).

Phenol, Milano, Italy (A-17).

Potassium ferrocyanide, Milano, Italy (A-17).

Sodium ferrocyanide, Milano, Italy (A-17).

Textile chemicals, Ceara, Brazil (A-10).

Toilet preparations, Manaus, Brazil (A-15); Belem, Brazil (A-16).

Toluol, Milano, Italy (A-17).

Tricresyl phosphate, Milano, Italy (A-17).

Bids Wanted

Caustic Soda, flake, 26,800 lbs., Army Quartermaster (New York City), invitation 81, January 7.

Fertilizer, mixed, six lots, total of 69⅛ tons, Board of Commissioners of State Institutions, P. O. Box 11, Chattahoochee, Fla.; requisition 2679; January 17.

Linseed oil, boiled, 8,050 gallons, raw, 4,125 gallons, Treasury Department (Washington, D. C.), invitation 5W-48207-R, January 7.

Sodium nitrate, 10 tons, January delivery, Board of Commissioners of State Institutions, P. O. Box 11, Chattahoochee, Fla.; requisition 2679; January 17.

Sodium Thiosulfate, 13,000 lbs., Treasury Department (New York City), invitation W-10442, January 9.

Trichloroethylene, technical, 37,000 gallons, Army Ordnance Department (Metuchen, N. J.), invitation 93, January 9.

Trisodium phosphate, 20,000 lbs., Treasury Department (New York City), invitation W-10451, January 10.

Oil, Paint and Drug Reporter, Vol. 151, No. 1, January 6, 1947. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office, under the act of March 3, 1879. Copyright, 1947, by Schnell Publishing Company, Inc.

N.F. VIII Published Official April 1

The eighth edition of the National Formulary, which will become official under Federal and State laws April 1, is now available. It contains xxxviii + 850 pages and is priced at $7.50. Usefully, as well as legally, it is a "must" in all branches of the drug trade.

The newest N.F. contains 188 drugs and preparations newly admitted to official standing. These range from acetarsone to sippy powders and a protective against sunburn. It also has as new content many formulas and standards from U.S.P. XII which are not carried into U.S.P. XIII. Among these are such long official drugs as ergot, bismuth subnitrate, nux vomica, and spirit of camphor.

The arrangement of monographs in N.F. VIII differs from that of previous editions in that Latin titles, although continued, are preceded by English titles. Monographs are arranged in alphabetic sequence, but in a different order than heretofore. For example, terpin hydrate is followed by terpin hydrate and codeine elixir, and terpin hydrate elixir, and acetarsone tablets follow acetarsone in the new arrangement. To facilitate the use of the new arrangement, a marginal index is included throughout the book. This is only one of several innovations in the new formulary.

The eighth edition of the National Formulary represents the culmination of four years of planning and work by the members of the Committee on National Formulary, the staff of the American Pharmaceutical Association Laboratory, and hundreds of collaborators connected with educational, governmental, institutional, and industrial laboratories. The actual work of revision was done in the A.Ph.A. laboratory. The committee of revision, under the chairmanship of Dr. Justin L. Powers, conducted its work by correspondence, through the National Formulary Bulletin, and by occasional meetings of the full committee and various subcommittees. The National Formulary is now on a continuous revision basis, so that the publication of N.F. VIII is incidental to the continuous research and development of effective standards for drugs based upon demonstrated therapeutic value or extensive use. As new standards or formulas are devised they will be made known through interim revisions or supplements.

Chemical Import Duties Increased by India

New Delhi, Dec. 30, 1946
(Comtelburo)

The Government of India has decided to grant protection to four domestic chemical industries by means of "protective duties." The industries concerned are those producing calcium chloride, photographic chemicals, bichromates, phosphoric acid, and phosphates.

The existing standard rate of 36 percent ad valorem on calcium chloride and the preferential rates for this product of 24 percent on supplies of United Kingdom or British colony origin and of 12 percent on imports from Burma will be replaced by specific protective duties of 4⅞ Rs., 3¼c., and protective duties of Rs. 4⅞, Rs. 3¼, and Rs. 1⅝ per hundredweight, respectively.

As to photographic chemicals, the government has decided to replace the existing standard duty on sodium thiosulphate by a specific duty of Rs. 7½ per hundredweight, and the preferential revenue duties on imports from the United Kingdom and Burma by specific protective duties of Rs. 5 and Rs. 2½ per hundredweight, respectively. The existing revenue duties on imports of sodium sulphite and sodium bisulphite will be replaced by specific protective duties of Rs. 12, Rs. 8 and Rs. 4 per hundredweight, respectively.

As to bichromates, the existing revenue duty of 30 percent on sodium bichromate, potassium bichromate, and all chrome compounds will be superceded by a protective ad valorem duty of 30 percent for a period of one year.

The government has also resolved to levy a specific protective duty of Rs. 23 per hundredweight in place of the present 30 percent ad valorem revenue duty on phosphoric acid, and a specific protective duty of Rs. 11 per hundredweight on all imports of sodium phosphates.

Hetzel Gets Post In Commerce Dept.

OPD Washington Bureau

Secretary of Commerce W. A. Harriman has appointed Ralph Hetzel special assistant on the staff of the Office of Program Planning, which serves as a policy group for the Secretary and the Under Secretary of Commerce. Economic director of the CIO before the war, Mr. Hetzel is a former deputy vice-chairman of the War Production Board and director of the Office of Labor Requirements in the Civilian Production Administration.

Koppers Buys Penna. Coal Products Co.

The Koppers Company, Pittsburgh, has entered into the field of specialty synthetic organic chemicals, with the purchase of substantially all of the outstanding shares of the Pennsylvania Coal Products Company, Petrolia, Pa., according to an announcement of Dan M. Rugg, vice-president of Koppers and general manager of its chemical division.

Operation of the Petrolia company will continue under the same name, and with the same management of Charles F. Hosford jr. as president, and Carl H. Pottenger as vice-president. E. S. Ruffin jr., Koppers' secretary, and E. A. Berry, treasurer of Koppers, have been elected secretary and treasurer, respectively, of the acquired firm.

Mr. Hosford will remain on the board of directors of the company and Mr. Pottenger was elected to it. Officials of Koppers elected to the board of the acquired firm were General Brehon Somervell, president of Koppers; Mr. Rugg, Mr. Ruffin, Mr. Berry, Fred Denig and E. J. McGehee.

The Petrolia plant was built during the first World War for the manufacture of TNT, and during World War II it produced chemical warfare materials. Present products of the plant include resorcinol resins, sodium sulphite, catechol and other fine chemicals.

Koppers chemical and research groups are studying a number of additional products and an expansion program is under consideration to increase both production and variety of products manufactured.

Chemicals Tariff Rate Cuts Through Trade Pacts Opposed

Further protests against ill-considered and untimely reductions in tariff rates by way of trade agreements—tariff bargains—have been filed with the Committee for Reciprocity Information on behalf of groups in the chemical and related industries. Prominent among these are the brief filed by the Synthetic Organic Chemical Manufacturers Association and that filed by the Drug, Chemical and Allied Trades Section of the New York Board of Trade.

Both briefs stress the essential nature, in war as well as in peace, of the protesting groups. They also strike the consumer chord of the difficulty, if not impossibility, of fairly constructing protective duties on the basis of the unreliable, abnormal, and inadequate records of world trade resulting from the disruptive influences of war.

The SOCMA brief sums up with the following conclusions:—

1. The fact that it was only through the protection extended this industry over the period between World War I and World War II that we were in a position to contribute so largely to the prosecution and winning of World War II. This should argue conclusively against any consideration of negotiating a reduction in our rates at this time.
2. The warning of the Tariff Commission in its November 1946 Digests as to the absence of any competent figures or bases upon which to adjust rates should convince this committee that the paragraphs of the tariff act of 1930 listed above [1, 2, 3, 4, 5, 11, 15, 18, 24, 26, 27, 28, 30, 31, 37, 39, 51, 56, 60] should be left out of the items to be negotiated.
3. This industry may be regarded as one of the key industries of the United States and one of the most important to public health and national defense, and any action that would tend to impose or seriously impair its productivity would have serious effect on our national health and defense.
4. While our Allies were worthy competitors in prewar times, Germany and Japan were always competitors and under the present conditions we must allow Germany and Japan to get into production in order that they may eat. It is not beyond probability that they will shortly become competitors in a serious way.
5. With the currencies of the world in

—Continued on page 58

Allied Molasses Co. Suspension Modified

OPD Washington Bureau

The Department of Agriculture has announced that it had modified a suspension order entered against the Allied Molasses Company, Perth Amboy, N. J., August 16, 1946, which has prevented that company from accepting delivery of blackstrap molasses or any other such molasses since that time. The suspension was imposed for failure on the part of the Allied Molasses Company to comply with WFO 51.

The department has modified this suspension because public hearing established the fact that it was working unreasonable hardships on third parties who were customers of the Allied Molasses Company and who could not procure blackstrap molasses or products derived therefrom, from other sources.

Under the modification of the suspension order, Allied may accept the delivery of blackstrap molasses in an amount equal to one-half of its yearly quota—or 191,400 gallons during each marketing year—until the accumulations from the withheld one-half shall equal the company's past overuse of 504,193 gallons.

Calco Chemical Forms Rubber Chemicals Dep't

The Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., has formed a new sales unit, the Rubber Chemicals Department, to handle the sale of rubber chemicals to the rubber industry. The Rubber Chemicals Department of the American Cyanamid Company has been merged with the new Calco sales unit.

Bancroft W. Henderson, manager of the Rubber Chemicals Department, has been named to head the new Calco department.

Trade Pact Public Hearings Scheduled

OPD Washington Bureau

A series of public hearings will be held beginning February 25 on the proposed charter of the International Trade Organization, has been announced by the State Department. The first hearing will be held in Room 474, State Department building, Washington.

The other hearings scheduled are March 3 in Boston, Chicago, and New Orleans, and March 10 in San Francisco and Denver.

The proposed charter was drawn up by representatives of nineteen nations meeting in London during October and November under the sponsorship of the Economic and Social Council of the United Nations. This preparatory committee will meet again in Geneva, Switzerland, beginning April 8 to complete its work on the charter with a view to making definite recommendations to a general international conference on trade and employment to be held later.

Fertilizer Relief Program Reported

OPD Washington Bureau

Expenditures for fertilizers by the United Nations Relief and Rehabilitation Administration were programmed at $30,422,000 until December 31 from the $2,700,000,000 that has been contributed to the agency by the United States, according to the ninth quarterly report of the agency released by President Truman.

Other programmed expenditures of U. S. contributions included $5,000,000 for insecticides and agricultural chemicals; $45,000,000 for seeds and plants; $92,800,000 for soap oils, fats, waxes; $14,840,000 for basic leather materials, shoe stock, and hides, and $7,200,000 for animal feeds.

NPVLA Budget Group Meets Jan. 20

The budget and finance committee of the National Paint, Varnish and Lacquer Association will hold its annual meeting at the Pennsylvania hotel, New York, January 20.

Washington Talks It Over

The OPD Observer

The Advisory Committee on Government Questionnaires became the Advisory Council on Federal Reports under a reorganization that took place January 1 aimed at continuing its consulting operations with the Bureau of the Budget to keep down the number of and simplify the questionnaires and reporting requests of government agencies.

Thirteen special committees on questionnaires and reporting problems were authorized and eleven industry-wide or special problem areas will be subject to observation and study with a view to the possible establishment of additional committees. Several committees are in the chemical and allied fields, including those which will have to do with chemical reports, paint, varnish, and lacquer reports, pulp, paper, and paper products reports.

Other committees will be concerned with the census of manufacturers, radio broadcasting reports, public utilities reports, railroad statistics, financial reports, productivity surveys, employment and payroll reports, safety, accident, and health reports, food industry reports, and electrical products industry reports.

Earl Constantine, president of the National Association of Hosiery Manufacturers, will continue as chairman of the council. T. M. Brennan, executive director of the National Industrial Council, and Russell Schneider will continue as treasurer and executive secretary, respectively.

Pay Advice Is Coming

Don't be surprised if you find in your mails one of these days a letter from the wage-hour division in response to an inquiry you might have made to the agency some time in the forgotten past and never got a satisfactory reply. Ever since the supreme court decision in the Mt. Clemens Pottery Company case, the agency has been going back over its files and answering a lot of inquiries which it couldn't before.

We know of one instance where the answer has just come through to an inquiry made as far back as March, 1941. It concerned an employee called from his home on Sunday to repair a steam pipe in a chemical plant. The inquirer wanted to know when the employee's pay starts—from the time he left home or only from the time he arrived at the plant? The agency was frank in its first answer: it didn't know. Now it is telling him that the pay started when the employee left his home.

The agency said that it was not directing the inquirer to make restitution, if the employee had not been compensated properly. But nothing is said about the employee's now being able to demand this back pay together with the damages provided for in the law, which presumably he has the right to do.

Portal-to-Portal Programs

It is almost a certainty that Congress is going to give very prompt consideration to the problem that has been raised by the multiplicity of portal-to-portal pay suits which are

—Continued on page 38

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Acetoxymercurithionaphthene

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Barium 2:2'-Dihydroxy-3:5:3':5'-tetramethyl(amyl)-phenylsulphide

Lubricant—Inhibitor (U.S. 2249626) of corrosive and sludging effects by paraffinoid lubricating oils.

Barium Metaphosphate

Paint, Varnish, and Lacquer—Solubility decreaser (Germ. 721140) for zinc yellow.

1-Benzamido-1:4-bis-para-butanesulphonylbenzamido-anthraquinone

Dye—Claimed (Brit. 549460) as brilliant scarlet to red vat dye of good light-fastness.

9-Benzoxy-4:14-dimethyl-coeroxane

Chemical — Fluorescence imparter (U.S. 2250270) for organic solvents.

Fats, Oils, and Waxes—Fluorescence imparter (U.S. 2250270) for waxes.

Lubricant—Fluorescence imparter (U.S. 2250270) for oils.

Betadipropylaminoethyl-carbazole 2-Carboxylate

Pharmaceutical—Claimed (U.S. 2250-004, 2250005, and 2250006) as local anesthetic.

Beta(hydroxypropylamino)-ethylamide of Castor-Oil Fatty Acids

Chemical—Starting point (Brit. 541-682) in making emulsifying agents of low meltingpoint by condensing with aliphatic aldehyde; water-soluble detergents, wetting, and foaming agents, resistant to acids and alkalies, and insensitive to calcium and magnesium, by condensing with aliphatic aldehydes and sulphonating.

Betaiminodipropionic Acid Dioctylester

Chemical—Reactant (U.S. 2249134 and 2249135) in making dioctyl diethylcyanamidebeta-beta'-dicarboxylate.

Myosinine

Tobacco—Alkaloid advocated as aromatic for cigars (said to be responsible for the pleasant odor of cigar smoke).

Octadecyl Glycolate

Cosmetic—Addition agent (Brit. 421-532) for dentifrices and other cosmetic preparations.

Orthophenanthrolin

Analysis—Detector for iron (claimed to be able to detect the presence of one part of iron in the presence of one million parts of water), useful for analytical work in connection with iron and steel production, special alloy steel manufacture, rock ore and mineral utilization, limestone, cement and glass technology, and drug, medicinal, food, and wine processing and preserving.

Association Meetings

American Management Association Conference on Packaging, Packing and Shipping, Convention Hall, Philadelphia, April 8-11.

American Society for Testing Materials, Benjamin Franklin hotel, Philadelphia, February 24.

American Water Works Association 1947 Conference, Auditorium, San Francisco, July 21-25.

Chemical Market Research Association, Mount Royal hotel, Montreal, February 6.

Essential Oil Association, Pennsylvania hotel, New York, January 10.

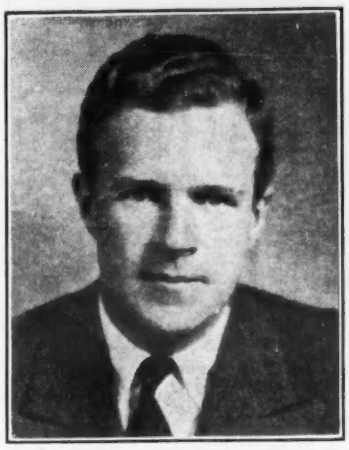
National Association of Corrosion Engineers, Palmer house, Chicago, April 7-10.

Natural Gasoline Association of America, Baker hotel, Dallas, Tex., April 23-25.

Oil Trades Association of New York, Waldorf-Astoria hotel, January 21.

Southern Paint and Varnish Production Club, Peabody hotel, Memphis, March 20.

General Mills Executive



Sewall D. Andrews, jr., has been named vice-president in charge of sales of the chemical division of General Mills. He joined General Mills in 1930, became director of purchases in 1937. During World War II he served overseas as general purchasing agent for Advance Section, Communications Zone, the headquarters that directly supplied and supported four American armies in Europe. Since his discharge in December, 1945, Mr. Andrews has been director of sales for General Mills' chemical division.

Packaging Exposition Planned for April 8-11

A return to major emphasis in sales plans on the style and materials of the package was foreseen by Alvin E. Dodd, president of the American Management Association, when he announced the sixteenth annual AMA Packaging Exposition to be held in Convention Hall, Philadelphia, April 8-11. The AMA Conference on Packaging, Packing and Shipping will be conducted concurrently with the exposition.

"Although material shortages and unfilled consumer demands have maintained the 'seller's market' in most industries up to this moment, the prospect of almost immediate changes in product availability and customer psychology requires a reappraisal by management of its packaging approach," Mr. Dodd said. "The package remains the prime point-of-sale selling agency and, accordingly, it must have a major place in sales planning."

Drug, Chemical, Paint Firms Dissolutions in N. Y. Listed

The Secretary of State of New York has announced the names of 156 corporations dissolved for failure to file franchise tax corporation returns for three successive years, which from their names appear to be drug, chemical, cosmetic, oil, paint, or plastic corporations. These names have been gleaned by scanning through a list of 8,800 dissolved corporations.

Simply the name, not the address or purposes of the corporation is given in the list, but as 90 percent of all new corporations are from the Greater New York area, it is safe to assume that the same percentage holds true of dissolved corporations.

A corporation whose name appears on this list has three months from December 15, 1946, to save its name by paying back franchise taxes, penalties and interest and a $50 filing fee with the Secretary of State. After lapse of such time the name can be used by a new corporation.

In the past, many errors have been made in listing and any corporation whose name appears on the list through error can be reinstated by simply writing to the Secretary of State.

Following is the list of the 156 corporations which appear by their names to be in the categories mentioned above:—

Drug, Chemical, Cosmetic Firms

Abwil Chemists, Inc.; Academy Biochemicals, Inc.; Academy Laboratories, Inc.; Alanlee Chemists, Inc.; Alchemist Drug Company; Analco Laboratories, Inc.; Anti-Flame Chemical Corporation; Argold Chemists, Inc.; Artee Laboratories, Inc.; Atlantic Chemical Company; Atlas Dehydrating Corporation.

Baltic Chemical Company; Basse Medicines, Inc.; Bedford Drug Stores, Inc.; Bewell Pharmacy, Inc.; Brown Pharmacy, Inc.; Brock Dental Products, Inc.; Bush Pharmacy, Inc.

Calcinite Chemicals, Inc.; Cameo Chemical Corporation.; Caravel Pharmacy, Inc.; Circle Pharmacy, Inc.; Clyde Chemists, Inc.; Composite Chemicals, Inc.; Cornwall Pharmacy, Inc.; Correct Chemical Products Corporation; Cresol Chemical Company, Inc.

A. Davidson Pharmacy Corporation; Dixon Chemical Corporation; Donwell Chemical Corporation; Douglas Laboratories, Inc.; Driggs Drug Company, Inc.; Drug Merchants of America, Inc.; Dunhill Chemists, Inc.

E. & P. Pharmacy, Inc.; East Rockaway Chemists, Inc.; Ellen Drug Stores, Inc.; Emergency Laboratories, Inc.; Ethical Dental Laboratory, Inc.; Evergreen Pharmacy, Inc.

Faeru Drugs, Inc.; Fame Drug Company; Fishbach Cosmetics, Inc.; Fleetwood Chemists, Inc.; Freeman Pharmacy, Inc.; Frigid Chemical Corporation; Fulton Bridge Perfumery, Inc.

Gerry Pharmacy, Inc.; Giesselmann

—*Continued on page 56*

Low-Pressure Industries Technical Session Set

Arrangements have been completed for the second annual technical session of low-pressure industries, sponsored by The Society of the Plastics Industry. The session will be held January 23-24 at the Edgewater Beach hotel, Chicago.

Four speakers have been selected by the committee in charge, which is headed by T. Walter Noble, Fabricon Products, Detroit. There will also be an information forum and special contacts schedule to assure a maximum exchange of technical and business data.

Chairman of the Steering Committee is J. E. Stokes, Bakelite Corporation, New York. Meeting chairman is Robert J. Brinkema, Egmont Arens, New York.

Technical speakers and subjects are: James W. Greig, chief engineer, Woodall Industries Inc., "Low-Pressure Laminates in Competition;" Clare E. Bacon, chemist, Owens-Corning Fiberglas Corporation, "Low-Pressure Resins:—Their Chemistry and Properties;" A. E. Wiles, engineer, General Electric Company, "General Techniques of Molding and Finishing Low-Pressure Molded Products."

The banquet speaker will be G. J. A. Reany, Hamilton, Ontario, Canada, whose subject will be "The Cure for War." The banquet will be January 23. The first technical meeting will be held at 10 a.m. that day.

Cabot on Industrial Conference Board

Thomas D. Cabot, vice-president, treasurer and general manager of Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, has been elected a member of the National Industrial Conference Board for 1947. The board is an impartial, independent and non-profit institution for research and education in the fields of economics and business.

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

Federal Court Denies Veteran Special Immunity to Discharge

The selective service (draft) act has given rise to many problems concerning the re-employment rights of returning veterans. One of them was superseniority. And by its recent decision in the Fishgold case (reported here in a previous column,) the Supreme Court of the United States held that the veteran employee was not entitled to superseniority, notwithstanding the Selective Service Director's ruling to the contrary.

Since the Fishgold decision, a number of other veteran problems have come up for determining. A recent one involves a question as to the right of an employer to discharge a returned employee. Does the draft act limit the employer's right to discharge a veteran? This question was passed upon by one of the United States District Courts in New York about two weeks ago.

The plaintiff in that case[1] was a returned veteran who was hired back to his former job as required by the act. Two weeks after his re-employment, the veteran was discharged. It seemed that, for the first week of his employment he was late every day and during the second week he was absent all but one day. For these reasons the employer fired him. With his discharge, the company gave him a check for one week's advance pay, which contained on the back of it a notation that the check was "severance pay in full."

The veteran objected to his discharge, claiming that, under the act, his right to re-employment was guaranteed for one year. The government, on behalf of the veteran, appealed the the case to the United States District Court.

The employer argued that the discharge was deserved because of the employee's actions. It also advanced the defense that the veteran, by accepting the severance pay check marked as payment in full, had released all his rights under the act and any claims he might have had against the employer.

Check Did Not Control

The court first observed that the check did not have the effect of a release of the employer's obligations under the act, but that the veteran's legal rights continued. Turning, therefore, to the merits of the case, the court then ruled in favor of the employer and dismissed the veteran's complaint. It points out that the draft act expressly provides that the veteran "shall not be discharged from such position without cause." To be true, continues the court, the word, "cause," is not defined in the act. However, the word must be interpreted only in such a way "which will afford the veteran such protection as underlies the policy of the statute." The court then asks itself whether a different standard of conduct for the veteran employee as against the non-veteran would be called for in order to carry out the act's policy.

The court notes that there is no express provision in the act itself establishing a different standard of "cause" for the veteran. The question, therefore, resolves itself to one of interpretation. Here the court felt that the right granted by the draft act to the returning veteran to retain his

—*Continued on page 61*

[1] Manowitz v. Einhorn Wholesale Grocery Company, United States District Court, Eastern District, N. Y. 19 LRRM 2126, December 23, 1946.

G.T. Seaborg Chosen 'Chemist of the Year'

Prof. Glenn T. Seaborg of the University of California, co-discoverer of plutonium, man-made source of atomic energy, has been chosen "Chemist of the Year" in a nation-wide poll of chemists and chemical engineers conducted by the American Chemical Society.

Prof. Seaborg, thirty-four years old, also was co-discoverer of americium and curium, elements 95 and 96. He is a member of the nine-man general advisory committee appointed by President Truman to assist the United States Atomic Energy Commission. During the war he directed chemical research on plutonium and other heavy elements at the University of Chicago Metallurgical Laboratory. He was recently elected a councilor-at-large of the American Chemical Society.

Bush Wins 1946 Hoover Medal

Dr. Vannever Bush, president of the Carnegie Institution of Washington, and wartime director of the Office of Scientific Research and Development, has been named 1946 winner of the Hoover Medal.

The medal is awarded jointly by the American Institute of Mining and Metallurgical Engineers, the American Society of Mechanical Engineers, the American Society of Civil Engineers and the American Institute of Electrical Engineers.

Dr. Bush will receive the medal January 30 at the Winter meeting of the electrical engineers in the auditorium of the Engineering Societies building.

OPD—1-6-1947

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Current Market Quotations Chemicals and Related Materials

January 2, 1947

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
5 and 10 gals., works....lb. .14 - .15
tanks ..lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms.....lb. .65 - .75
tech., fib. dms.....lb. .33 - .43

Acetanilide, tech., cryst., powd., bbls. c.l...lb. .19 - —
l.c.l. ..lb. .23 - —
kgs. ..lb. .25 - —
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots..lb. .41 - .43

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld..lb. .13 - —

Acetoacetanilide, bbls., dms....lb. .60 - —

Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd..lb. .06½- —
tanks, dlvd. ..lb. .07 - —

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .45 - —
l.c.l., works..lb. .50 - —
5-gal. lots, works..lb. .55 - —
less than 5-gal. lots, works.lb. .60 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. ..lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .09 - —

Acid, abietic, dcoms., c.l., wks..lb. .07½- —

Acetic, com'l or redist., 28%, bbls..100 lbs. 3.30 - 3.60
50%, bbls..100 lbs. 5.58 - 5.83
70%, bbls..100 lbs. 6.63 - 6.96
80%, bbls..100 lbs. 7.47 - 7.72
99.5%, bbls..100 lbs. 9.15 - 9.40

glacial, nat., C.P., dms., works..100 lbs. 13.20 -13.75
99.5%, bls..100 lbs. 9.15 - 9.40
tanks ..100 lbs. 6.98 - 7.25

synth., tech., bbls., works, 100 lbs. 9.80 -10.05
dms., works.....100 lbs. 9.90 -10.20
tanks, works.....100 lbs. 7.62 - 8.12
USP, dms., works..100 lbs.11.00 11.55

pure, 30%, bbls..100 lbs. 4.41 - 4.69
36%, bbls..100 lbs. 4.86 - 5.11
60%, bbls..100 lbs. 7.60 - 7.85
80%, bbls..100 lbs. 9.23 - 9.51

USP, 56%, cbys..lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .50 - —
smaller lots..lb. .51 - .54

standard USP., fine cryst., gran. (30-40 mesh), powd. (60 mesh), bbls., same basis. lb. .45 - .50

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted..lb. 1.50 - 1.67

Anthranilic, resub., bbls.....lb. 2.00 - 2.30
tech., bbls. ..lb. .90 - —

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs....lb. .20 - .23

Ascorbic, USP, dms., 500-kilo lots..kilo.34.50 - —
25-50 kilo lots..kilo.35.00 - —
10-kilo lots..kilo.35.35 - —
5-kilo lots..kilo.35.70 - —

bots., kilo lots..kilo.36.41 - —
500 grams..kilo.37.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.00 - —
l.c.l., E. works.....100 lbs. 1.05 - 2.65

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,999 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,999 lbs.....lb. .55 - —
999 lbs. or less.....lb. .58 - .59

dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,999 lbs.....lb. .56 - .57
999 lbs. or less.....lb. .58 - .59

Betanaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder)., gran., bgs., c.l., frt. alld..
ton.99.00 -103.50
ton lots, ex whse..ton.111.00 -119.00
less than ton lots, ex whse..ton.116.00 -124.00
bbls., c.l., frt. alld...ton.109.00 -113.50
ton lots, ex whse..ton.121.00 -119.00
less than ton lots, ex whse..ton.126.00 -134.00
bulk, frt. alld.....ton. 95.50 -100.00
powd., bgs., c.l., frt. alld. ton.104.00 -108.50
ton lots, ex whse..ton.116.00 -124.00
less than ton lots, ex whse..ton.121.00 -129.00
bbls., c.l., frt. alld..ton.114.00 -118.50
ton lots, ex whse..ton.126.00 -134.00
less than ton lots, ex whse..ton.131.00 -193.00
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .20 - —
l.c.l., same basis.....lb. .30 - —
Bronner's, bbls. ..lb. 1.20 - —

Acid, cacodylic, bots. .....lb.12.50 -14.50
Camphoric, cns. ..lb. No stocks
Caprylic, 99%, dms......lb. No stocks
Capric, tech., ret. dms......lb. No stocks
Castor oil, split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works ..lb. .06½- .04½
tanks, works ..lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. ..lb. .17½- .19
Cinnamic, refd., bots......lb. 3.00 - 3.50
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .23 - —
dms. ..lb. .25½- .30½
kgs. ..lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. ..lb. .23 - .24
kgs. ..lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls......lb. .65 - 1.00
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, dlvd. ..lb. No prices
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks ..gal. .90 - .92
Petroleum, heavy grade (247°-295°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ret. gal. .615 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .566 - —
light grade (200°-240°), tanks, Cal. ref..gal. .600 - —
medium grade (230°-240°), dms., 20 Cal. ref..gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .636 - —
tanks., dlvd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., o.l., works..lb. .80 - —
l.c.l., works..lb. .85 - .90
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .12 - —
l.c.l., works..lb. .12½- .14½
90%, cbys., c.l., works....lb. .10¾- .12½
l.c.l., works..lb. .11 - .13
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms..lb. 1.32 - —
technical, bbls..lb. 1.10 - 1.15
Gamma, bbls. ..lb. .97 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjs. ..lb. .21 - .23
kgs. ..lb. .14 - .15

Glycolic (see Acid, hydroxyacetic).

H, bbls., works..lb. .50 - —
Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys. ..lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis...lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, diluts, 2%, 5-lb. bots..lb. .80 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works..lb. .16 - —
30% rubber dms., works..lb. .08 - .09
48% rubber dms., works..lb. .12 - —
52% rubber dms., works..lb. .12½- —
60% rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-32%, bbls.lb. .36 - .09
Hydroxyacetic, 70% tech. bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .086 - —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots..lb. .13 - .19½
80%, bbls., 5 or less.....lb. .24½- .26½
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less..lb. .24½- .19½
80%, bbls., cbys., 5 or less, lb. .26 - .28½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.85 - —
cbys., works.....100 lbs. 7.85 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.85 - —
cbys., works.....100 lbs. 8.85 - —
USP XII, 85%, cbys.....lb. .94 - .97
USP VIII, 75%, cbys.....lb. .82 - .85
Lauric, dist., 95%, dms.....lb. No prices
60%, dms. ..lb. No prices
Linseed oil, light, dms.....lb. No prices
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots..lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit..lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-230 acidity, dms., extra, works..lb. .10½- —
tanks, works..lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12½- —
tanks, works..lb. .12 - —
Neville and Winthers, dms...lb. .75 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra...lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works....lb. .13 - —
10,000 lbs..lb. .13¼- —
smaller lots..lb. .14 - —
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.55 - —
Paranitrobenzoic, cns.....lb. .80 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots.....lb. 1.60 - 2.00
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l......lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10½- —
20 cbys. to c.l.....lb. .11½- —
6 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .80 - .81
Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. l.c.l..gal. .61 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l.....lb. .20 - —
100 lbs. to c.l.....lb. .22 - —
smaller lots.....lb. .24 - .42
USP, bbls., c.l......lb. .22 - —
100 lbs. to c.l.....lb. .26 - —
smaller lots .....lb. .30 - .44
Sebacic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works. lb. No prices
tanks, works..... No prices
Stearic, double pressed, bgs..lb. .82½- .84½
single pressed, bgs.....lb. .82 - .84
triple pressed, bgs.....lb. .80½- .81½
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.00 - 1.02
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.90 - 2.20
tanks, E. works.....ton.18.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.30 - —
tanks, E. works.....ton.16.00 - —
99°, tanks, works.....ton.17.00 - —
CP, USP, consumers cbys., extra..lb. .06 - —
5-lb. bots., ex. extra...lb. .10 - —
dealers, cbys. extra.....lb. .02½- —
5-lb. bots., ex. extra...lb. .05½- —
fuming, 25%, tanks, E. works, ton.19.00 - —
Tannic, tech., bbls., dms..lb. .93 - .94
USP, fluffy, bbls., 1,000 lbs.. lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.50
powder, bbls., 1,000 lbs.lb. 1.25 - —
smaller lots.....lb. 1.17 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .59 - —
kgs. .....lb. .53½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 2.50
Tobias, bbls. .....lb. .90 - —
Trichloroacetic, bots.....lb. 2.00 - 2.20
Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.60 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.35
Aconitine, amorph., bots.....oz.32.00 -38.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .28 - —
l.c.l., works.....lb. .29½- —
tanks, works.....lb. .28 - —
Adeps lanae USP, anhyd., cosmetic, dms., works.lb. pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 4.00 - 4.25
Agaric, white, bls.....lb. 2.85 - 2.90
Agrimony herb, bls.....lb. .39 - .40
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .68 - .70
egg edible,[7] cryst., gran., bbls. lb. 1.68 - 1.73
powd., bbls.....lb. 1.73 - 1.78
tech., cryst., bbls.....lb. 1.65 - 1.80
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .121 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .50 - —
dms. .....lb. .65 - .80
Butyl, normal, ferment. III., Ind. prod., dms., c.l., frt. alld..lb. .26 - —
l.c.l., frt. alld. E....lb. .30½- —
tanks, frt. alld. E....lb. .25 - —
tankwagon, frt. alld..lb. .20½- —
other production, dms., c.l., frt. alld. E..lb. .29 - —
l.c.l., frt. alld. E....lb. .30½- —
tanks, frt. alld. E....lb. .31 - —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E.....lb. .16 - —
tanks, frt. alld. E.....lb. .14½- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, com., CP., fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.35
Cinnamic, bots.....lb. 3.00 - 3.50
Denatured,[7] CD14, dms., c.l., works, E..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. dlvd.....gal. .83½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. works.....gal. .83½- —
Anhydrous 7c. per gal. higher
SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .96
tanks E. works.....gal. .82 - —
SD23G, dms., c.l., works.gal. .93½- —
l.c.l., works.....gal. .96½- 1.80
tanks, works.....gal. .85½- —
SD23H, dms., c.l......gal. .85½- .900
l.c.l., works, E.....gal. .93½- .970
tanks, E. works.....gal. .83½- .880
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD2B plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .90 - —
l.c.l., works, E.....gal. .94½- 1.020
tanks, E. works.....gal. .84½- .860
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .13½

Controls on Materials

Applications of CPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

3—General Limitation Order

4—General Preference Order

5—Conservation Order

6—Allocation

7—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.18.01 - —
l.c.l., works..gal.18.65 -18.19
tanks..gal.17.94 - —
absolute, dms., c.l., works..gal.18.06 - —
l.c.l., works..gal.18.13 -18.17
tanks..gal.18.01 - —
Ethylhexyl, dms., c.l., works..lb. .25 - —
l.c.l., works..lb. .26 - —
tanks, works..lb. .24 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works..lb. .32½- —
l.c.l., works..lb. .33 - —
tanks, works..lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works..lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .40½- .41
l.c.l., divd..gal. .42½- .44
tanks, divd..gal. .34 - .34½
99%, dms., incl., c.l., divd., gal. .44 - —
l.c.l., divd..gal. .47 - —
tanks, divd..gal. .37½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.00 - 4.25
Phenylethyl, dms..lb. 2.80 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .62
Propyl, normal, dms., works.gal. .97 - —
smaller containers, works. gal. .82 - —
tanks, works..gal. .69 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis..lb. .30 - —
Aldol, dms., works..lb. .15 - —
denaturing grade, dms.....gal. 1.30 - —
Aletris root, bgs..lb. 2.25 - 2.30
Algarobilla, c.l., ex dock.... long ton. No prices
Algarobilla price based on ocean frt. at $13 and $1 insurance per long ton.
Algin, bbls., fib. dms..lb. .70 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs..lb. .85 - .90
Allspice, Mexican, futures, bgs. lb. .19½- .20
Allyl bromide, cbys., 5,000 lbs., works..lb. .20 - —
smaller lots, works..lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .12½- —
l.c.l., divd..lb. .14 - —
tanks, divd..lb. .12½- —
Aloe, Cape, cs..lb. .42 - .43
Curacao, kgs..lb. .43 - .43
Socotrine, kgs..lb. .47 - .48
Aloin, bbls., dms., kgs..lb. 4.50 - 4.60
Alphanaphthol, bbls..lb. .58 - —
Alphanaphthylamine, bbls.....lb. .35 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ref. dms., works, frt. equald.. .27½- —
Alphapinene, wks., South, tanks, gal. 1.15 - —
Alphaterpineol, dms., c.l., works. lb. .1240- —
l.c.l., works..lb. .1320- —
tanks, works..lb. .1320- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .40 - .45
Alum, ammonia, borat, USP, bbls., kgs..lb. .18 - .19
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works.... 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .15½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd. .....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .30 - .37
unclassified, ground, kgs., works..lb. .16½- .18
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works..lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works..lb. .10½- —
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works .....lb. .06½- .06¾
solution, 22 deg., cryst., c.l., works..lb. .03¾- —
l.c.l., works .....lb. .03¾- —
Fluoride, tech., bbls.....lb. .32 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09¾- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works .....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd. .....lb. .15 - —
Hydroxide, gel tech., min. 15% Al (OH_3), dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis..lb. .03½- .03¾
smaller lots, same basis. lb. .03¾- .04
9-9¼% Al_2O_3, fib. dms., works. lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .70 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .30
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .19½- —
Stearate, dibasic, ctns., c.l..lb. .45 - —
l.c.l. .....lb. .46 - —
monobasic, ctns., c.l.....lb. .45 - —
l.c.l. .....lb. .46 - —
tribasic, ctns., c.l.....lb. .50 - —
less ton quantities.....lb. .52 - —
Sulphate, com'l, bgs., c.l., works. frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 95-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .16 - .16
paste, lining, extra fine, 200-lb. dms..lb. .60 - .62
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms. .....lb. .58 - —
Aluminum powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms...lb. .38 - —
varnish, stand., 300-lb. dms.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.50 - 4.75
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls. .....lb. .14½- —
refrigeration, tanks, works.. ton.61.50 - —
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .03¼- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls. .....lb. .23 - .25
Bifluoride, bbls. .....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1030- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran., NF, bbls....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.lb. .08¼- .09½
cns. .....lb. .14¾- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls. .....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, jars.....lb. 3.90 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate, c.p., cryst., kgs.lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms. .....lb. 1.10 - 1.13
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.52.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va...ton.32.50 - —
Oleate, dms. .....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs. .....lb. No stocks
Persulphate, kgs. .....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .87 - .89
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- .08¾
Salicylate, NF, dms., kgs...lb. 1.15 - 1.16
Silicofluoride, bbls. .....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .06¾- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd. .....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .06 - —
dms., works.....lb. .06 - —
yellow, 35%, cbys., works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.75 - —
l.c.l., same basis.100 lbs. 5.45 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .26 - —
l.c.l., divd. .....lb. .25½- —
tanks, divd. .....lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss R..lb. .191 - —
l.c.l., same basis.....lb. .201 - —
tanks, same basis.....lb. .181 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms. .....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.85
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, prime, bots.....lb. .83 - .85
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .685
NF, dms. .....lb. 1.40 - 2.45
Angelica dom, atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .65 - .66
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld...lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .42 - .43
futurea .....lb. .40 - .41
Chinese, Star.....lb. .21½- —
Cyprus, bgs. .....lb. .43 - .46
Mexican, bgs. .....lb. .44 - .45
Syrian, bgs. .....lb. .44¾- .45
Turkish, bgs. .....lb. No stocks
Anisic aldehyde, dms.....lb. 2.60 - 2.90
cns., bots. .....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .14 - .14½
Anthracene, 80-85%, bbls., works. lb. .60 - —
90%, bbls., works.....lb. .61 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[6] bulk, c.l., works....lb. .29¾- .30
Needle,[6] Bolivian, brown, 67% cs..lb. No prices
Chinese, black, 70%, cs....lb. No prices
Oxide,[6] ceramic grade, bgs., c.l..lb. .21¾- .25½
l.c.l. .....lb. .21 - .26
paint grade, bgs., c.l.....lb. .21 - —
l.c.l. .....lb. .21¾- —
Salt,[6] 65%, bgs., c.l., divd. E. of Miss. River..lb. No stocks
Sulphide,[6] 65-70%, bbls., c.l., works..lb. .17½- —
l.c.l., works.....lb. .20 - .21
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.28.20 -28.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .25 - .36
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.00 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs. .....lb. .65 - .70
powd., bbls. dms.....lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[1] 5D and 5K, bgs. c.l. (20 tons), Cana, mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J...lb. .10½- —
California, dms., c.l.....ton.38.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.58.50 - —
l.c.l. .....ton.85.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.85 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.35
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms. .....lb. 2.50 - 2.60
sodium, dms. .....lb. 2.75 - 2.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.48.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works .....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works .....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .35 - .37
pure, bbls., kgs.....lb. .10 - .13
tech., cryst., bgs., c.l., works. ton.72.00 - —
l.c.l., works .....ton.72.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works .....ton.80.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., works .....lb. .12 - .13
Fluoride, bbls. .....lb. .15 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07¼
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¾
l.c.l., works .....lb. .10 - .11¾
Oxide, dms., c.l., works.....lb. .11½- .13
l.c.l., works .....lb. .14 - .15
grd. dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .50 - —
smaller lots.....lb. .51 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .....lb. .09¼- .10
kgs. .....lb. .12 - —
Barytes, water-grd., paper bgs., c.l., St. Louis.....ton.31.10 - —
l.c.l., same basis.....ton.33.10 - —
ex whse., N. Y.....ton.41.95 - —
Southern, off-color, bgs., mines ton.19.00 - —
96.75%, bgs., mines.....ton.20.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 8.50 -12.50
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 2.50 Nom.
Root, bls. .....lb. 2.50 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.20
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns. .....lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms., works, frt. alld. up to 2c..gal. .22 - —
tanks, E. of Omaha, same basis..gal. .17 - —
W. Coast, Minnequa, Colo., same basis..gal. .17 - —
Benzophenone, dms.....lb. 1.15 - 1.25
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns.....lb. .55 - .70
dms. .....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns. .....lb. 2.10 - 2.50
Propionate, bots. .....lb. 1.80 - 2.45
Salicylate, bots.....lb. 1.90 - 2.10
Benzylidineacetone, bots.....lb. 2.80 - 2.90
Benzylisoeugenol, bots.....lb. 2.00 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .80 - .85
Betanaphthol, resublimed, dms., works..lb. .65 - .66
tech., bbls., c.l., works....lb. .23 - .25
l.c.l., works.....lb. .26 - .28
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .80 - —
Betagammapicoline, dms., c.l., works..lb. .94½- —
l.c.l., works .....lb. .95 - —
Betapicoline, 90%, ref. dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.05 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works .....lb. 2.20 - —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, jars.....lb. 4.25 - —
Citrate, USP VIII, jars.....lb. 2.97 - —
Hydroxide, cns.....lb. 3.60 - —
Metal, ton lots .....lb. 1.50 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns., dms., kgs.lb. 2.40 - —
Subcarbonate, USP, bbls., dms. lb. 2.40 - —
Subgallate, NF, fib. dms....lb. 2.35 - —
Subiodide, fib. dms.....lb. 4.12 - —
Subnitrate, USP, powd., bbls., dms..lb. 2.00 - —
Subsalicylate, USP, bbls., fib. dms..lb. 2.90 - —
Sulphocarbolate, fib. dms....lb. 4.05 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.70 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt alld dest..lb 19¼- —
1, bgs., bbls., c.l., same basis. lb. .17½- —
2, bgs., bbls., c.l., same basis. lb. .16 - —
3, bgs., bbls., c.l., same basis. lb. .15 - —
4, bgs., bbls., c.l., same basis. lb. .14 - —
5, bgs., bbls., c.l., same basis. lb. .11½- —
6, bgs., bbls., c.l., same basis. lb. .11½- —
457, bgs., bbls., c.l., same basis..lb. .11¾- —
7, bgs., bbls., c.l., same basis. lb. .14½- —
8, bgs., bbls., c.l., same basis. lb. .15½- —
490A, bgs., bbls., c.l., same basis..lb. .08¼- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .06 - —
bgs., c.l., works.....lb. .0632- —
l.c.l., works.....lb. .07 - —
divd. or whse.....lb. .102 - —
uncompressed, regular, bgs., c.l., works..lb. .074 - —
bgs., ctns., l.c.l., divd. or whse..lb. .11¾- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
SRF, bgs., c.l., works...lb. .03½- —
ctns., l.c.l., whse.....lb. .075 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .35½- —
Lamp, 1, ctns., c.l., works..lb. .05½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .12½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .22 - —
6, ctns., c.l., works.....lb. .30½- —
l.c.l., works.....lb. .32½- —
7, ctns., c.l., works.....lb. .31½- —
l.c.l., works.....lb. .33½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .32 - .34
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .38 - .40
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.42.00 - —
Bleaching powder,[5] dms., c.l., works..100 lbs. 2.80 - 2.10
l.c.l., works.....100 lbs. 2.75 - 2.90
Blood, dried, 10-16½% ammo., bgs..unit-ton. 9.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 9.00 - —
soluble, bgs., c.l., Chicago..lb. .12½- —
l.c.l., Chicago.....lb. .13 - .20
Bloodroot, bls.....lb. .65 - .90
Blue, alkali, dry, bbls., divd., N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
toner bbls., same basis....lb. 1.10 - —
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .80 - —
Cobalt, genuine, bbls., same basis..lb. 4.50 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 2.50 - 2.75
80%, bbls., same basis..lb. 2.00 - —
green shade, bbls., same basis. lb. 4.90 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .80 - —
Molybdated, Victoria, bbls., same basis..lb. 2.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .80 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 2.00 - —
tungstic .....lb. 4.60 - —

OPD—1-6-1947

ODD LOT INVENTORY

BUTYL ALCOHOL	56 x 55 gal. Drums
CALCIUM CHLORIDE	25 x ¼ lb. Bottles
CALCIUM LACTATE, Edible	35 x 100 lb. Bags
CETYL ALCOHOL	2 x 130 lb. Drums
CHROMIC ACID	18 x 100 lb. Drums
COUMARIN	700 lbs.
CREAM OF TARTAR	7 Kegs in Bond
DIETHYLENE GLYCOL	1 x 500 lb. Drum
ETHYLENEDIAMINE	3 x 300 lb. Drums
ETHYLENEDIAMINE, Anhydrous	1 x 16 lb. Carton
GELATIN	1 x 250 lb. Barrel
HEXYLRESORCINOL	2 lbs.
HYDROGEN PEROXIDE	5 x 120 lb. Carboys
LACTIC ACID	107 x 37 lb. Cartons
LANOLIN, Anhydrous	1 Drum
LETHANOL	1 x 54 gal. Drum
PARAFORMALDEHYDE	95 x 1 lb. Bottles
PARA-DICHLOROBENZENE	7 x 55 gal. Drums
POTASSIUM CARBONATE	5 x 325 lbs.
PROPYLENE GLYCOL	7 x 55 gal. Drums
SODIUM PERBORATE	25 x 250 lb. Barrels
TARTARIC ACID, U.S.P., Granular	3 x 112 lb. Kegs

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue, potash, CP, bbls., same basis..lb. .48 - —
Prussian, bbls., same basis.lb. .42 - —
soluble, bbls., same basis.lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .24 - .28
jobbing type, dry, bbls., same basis..lb. .13 - .14
regular types, dry or pulp, bbls., same basis..lb. .18 - .28
Victoria, toner, molybdic, bbls., lb. **3.15** - —
tungstic, bbls. .....lb. **3.30 - 3.55**
ink toner, bbls., same basis. lb. **1.83** - —
synthetic vehicle, bbls., same basis..lb. **1.86** - —
Violet toner, molybdic, bbls., same basis..lb. **1.24** - —
tungstic, kgs., same basis..lb. **2.10** - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. **1.68 - 1.75**
powd., bots., cns., dms......lb. **1.61 - 1.75**
Bluedag, root, bls......lb. **No stocks**
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls......lb. .11 - .12
Bone, raw, bulk, Chicago....ton.75.00 - —
junk, bulk, same basis....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..
ton.65.00 - —
Chicago, works....ton.75.00 - —
Bone meal, steamed, feeding grade, 1% ammon., 60% phos., kgs., E. works..
ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, deduorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.44.50 -47.50
bgs., c.l., frt. alld....ton.48.50 -51.00
ton lots, ex whse....ton.63.00 -65.50
less ton lots, ex whse.ton.68.00 -70.50
bbls., c.l., frt. alld....ton.68.50 - —
ton lots, ex whse....ton.83.50 - —
less ton lots, ex whse.ton.88.00 - —
powd., bgs., c.l., frt. alld. ton.53.50 -56.00
ton lots, ex whse....ton.68.00 -70.50
less ton lots, ex whse.ton.73.00 -75.50
bbls., c.l., frt. alld....ton.73.50 - —
ton lots, ex whse....ton.88.50 - —
less ton lots, ex whse.ton.93.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½ - —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots......lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromostyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bgs., c.l., works.lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., l.c.l., same basis. lb. .03½- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bgs., l.c.l., works..lb. .03½- —
Italian type, bbls., works. lb. .09 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .05 - —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .03½- —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Los Angeles.....lb. .06½- —
Portland, San Francisco, Seattle..lb. .05¾- —
ex whse., Los Angeles. lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs......oz. .38 - .42
Sulphate, cns., 100 ozs......oz. .33 - .34
Bryonia root, bls......lb. .85 - .90
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls......lb. .38 - .40
cut and sifted, bbls......lb. .52 - .56
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls......lb. .65 - .68
Burgundy pitch, dom., dms., wks., South..100 lbs. 8.71 - 9.21
Butane, indust., tanks, Group 2, gal. .08½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R...lb. .26 - —
l.c.l., same basis..lb. .26½- —
tanks, same basis...lb. .25 - —
tankwagon, same basis. lb. .25½- —
other production, dms., c.l., same basis...lb. .27 - —
l.c.l., same basis....lb. .27½- —
tanks, same basis....lb. .26 - —
synthetic, dms., c.l., same basis...lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., divd. E. of Miss. R...lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ¼c. per lb. higher.
Aldehyde, dms., c.l., works...lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .33 - —
l.c.l., same basis.....lb. .33½- —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. **2.00 - 2.25**
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd. .....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47 - —
Butyric ether, bots. .....lb. 6.50 - 6.60
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots......lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, cns......lb. 4.43 - 4.49
Lithopone (see Yellow).
Metal,* ingots or sticks, divd. lb. 1.55 - —
pat. shapes, cs., divd.....lb. 1.55 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more, lb. 2.50 - —
Hydrobromide, bots. .....lb. 5.91 - 5.99
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .88
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 2.00 - 4.00
Arsenate, dealers, dms., c.l., whse., wks., frt. alld..lb. .06½- —
l.c.l., same basis.....lb. .09 - —
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works..ton.50.00 - —
divd. .....ton.87.00 -90.60
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.21.50 -38.00
l.c.l., divd.....ton.31.50 -48.00
liquor, basis 40%, tanks, works..ton. 8.50 - —
solid, 73-75%, dms., c.l., divd. ton.21.00 -37.50
l.c.l., divd.....ton.31.00 -54.15

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in paper bags, $2.50 per ton for burlap bags; drums, $3.50 per ton over paper bags.

Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP and AA grade, pound bbls., dms......lb. .58 - .65
dms. .....lb. .63 - .72
cns. .....lb. .76 - .83
Glycerophosphate, fiber dms., N.F., pound, fib. dms...lb. 1.00 - —
Hypochlorite, dms., divd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3776- .4226
Iodide, jars.....lb. 4.12 - —
Lactate, USP, bbls......lb. .35 - .40
Laurate, bbls......lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms...lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms...lb. .25½- .29½
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs...... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms...lb. .19 - —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., cns., 2,000 lbs. to c.l., works..lb. .47 - —
less than ton lots, works.lb. .48 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.35 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .12½- .13½
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.68 - 1.80
fine particle size, works. lb. 1.80 - 1.75
Calendula flowers, bls......lb. 1.15 - 1.20
Calomel, bbls., dms......lb. 1.45 - 1.48

GENERAL CHEMICAL RESEARCH ANNOUNCES

genetron* 100

first of its important series of ALIPHATIC ORGANIC FLUORINE COMPOUNDS

Long the leader in development of inorganic fluorides and fluoborates, General Chemical Fluorine Research now enters the field of organic chemistry as it presents the *Genetrons* . . . an important series of aliphatic organic fluorine compounds.

First of the group is *Genetron 100*, a product significant not only as a new industrial chemical, but also as the parent compound for this family of commercially valuable organic fluorine derivatives.

Its physical properties point to various applications . . . as a refrigerant; intermediate in the preparation of aerosol dispersants, dielectrics, high pressure lubricants, selective solvents, and mixed olefinic halide monomers. Some of these uses are already being confirmed by manufacturers who recognize the unusual industrial potentialities of this low-boiling organic liquid.

Genetron 100 may merit your thorough investigation, too. For experimental samples write General Chemical Company, Fluorine Division, 40 Rector Street, New York 6, N. Y.

BASIC CHEMICALS FOR AMERICAN INDUSTRY

GENERAL CHEMICAL COMPANY

genetron* 100

PHYSICAL PROPERTIES

Formula	CH_3CHF_2
Molecular Weight	66.05
Color	Colorless
Melting Point	—117.0° C
Boiling Point	—24.7° C
Density	1.004 at —25° C
Latent heat of vaporization	137 B.t.u./lb.

vapor pressure (p.s.i. abs)

—30° C	12.0
—10° C	25.9
10° C	53.8
30° C	108.0

GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK 6, N. Y.
Sales and Technical Service Offices: Albany • Atlanta • Baltimore Birmingham • Boston • Bridgeport • Buffalo • Charlotte Chicago • Cleveland • Denver • Detroit • Houston • Kansas City Los Angeles • Minneapolis • New York • Philadelphia • Pittsburgh Providence • San Francisco • Seattle • St. Louis • Wenatchee Yakima (Wash.)
In Wisconsin: General Chemical Wisconsin Corporation, Milwaukee, Wis.
In Canada: The Nichols Chemical Company, Limited Montreal • Toronto • Vancouver
*Trade Mark, General Chemical Company

Camphor, natural	lb.	No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.54 - —
10 bbls. (1,500 lbs.)	lb.	.56½- —
5 to 9 bbls.	lb.	.57 - —
1 to 4 bbls.	lb.	.58 - —
smaller lots	lb.	.60 - .67
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.81 - —
1,000-lb. lots	lb.	.82 - —
smaller lots	lb.	.83 - —
tablets, 2,000-lb. lots	lb.	.94 - —
1,000-lb. lots	lb.	.95 - —
smaller lots	lb.	.96 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs	lb.	8.00 Nom.
Chinese, cs	lb.	5.85 - 6.00
powd., bxs	lb.	6.25 - 6.30
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns.	lb.	4.50 - 4.65
Caramel coloring, bbls	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.25½- .26
Caraway seed, Danish, bgs	lb.	.25½- .26
Dutch, bgs.	lb.	.25½- .26½
futures, bgs.	lb.	.26 - .26½
Roumanian, bgs.	lb.	.22 - —
Spanish, dewhiskered, bgs.	lb.	No stocks
Swedish, bgs.	lb.	.23½- .24
Syrian, dewhiskered, bgs	lb.	No stocks
Carbamate, 90%, dms., ton lots, works	lb.	.81 - —
smaller lots, works	lb.	.91 - —
85%, dms., ton lots, works	lb.	.78 - —
smaller lots, works	lb.	.88 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.37 - —
secondary, dms., l.c.l., works.	lb.	.69 - —
Isobutyl, dms., c.l., works	lb.	.23½- —
l.c.l., works	lb.	.23½- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11¾- —
l.c.l., same basis	lb.	.12¾- —
tanks, same basis	lb.	.10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis	lb.	.05¾- —
5-gal. dms., c.l., same basis.	lb.	.07 - .07¼
l.c.l., same basis	lb.	.08 - .08¼
Dioxide, cyls	lb.	.08 - .08
Tetrachloride, c.p., dms., c.l.	lb.	— - —
l.c.l.	lb.	— - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld.	lb.	.06 - —
l.c.l., frt. alld.	lb.	.06½- —
Zone 2, 52½-gal. dms., c.l., frt. alld.	lb.	.06½- —
l.c.l., frt. alld.	lb.	.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	lb.	.07 - —
l.c.l., frt. alld.	lb.	.07½- —
Zone 4, 52½-gal. dms., c.l.	lb.	.06½- —
l.c.l., frt. alld.	lb.	.07 - —
USP, cbys	lb.	.17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars L. A., Cal.; S. F., Gal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs.	lb.	1.75 - 1.80
medium, cs	lb.	1.55 - 1.60
decorticated, Guatemala, cs.	lb.	1.40 - 1.45
India, cs	lb.	1.45 - 1.50
green, Alleppey, bgs	lb.	1.05 - 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units.		.50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd.	gram.	2.25 - —
50 grams, dlvd	gram.	2.00 - —
in vegetable oil, 250,000 USP units per gm., bots., works.	lb.	37.50 - —
80,000 USP units per gm., bots., works.	lb.	8.43 - —
dms., works	lb.	7.98 - —
3,000 A units per gm., tins, works, 1,000,000 units.		.55 - —
dms., works.	1,000,000 units.	.50 - —
2,300 USP units per gm., dms., works.	lb.	.66 - .71
Carvel, bots.	lb.	14.75 -23.50
Cascara sagrada bark, bulk	lb.	.40 - .45
Case-hardening mixture, 80% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	08¾- —
Cassia, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	No prices
less than 2,000 lbs., same basis	lb.	No prices
rennet-precip., 10,000 lbs. or more, same basis	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same	lb.	No prices
less than 2,000 lbs	lb.	No prices
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	No prices
rennet-precip., unground, 100 bgs. or more	lb.	No prices
Cassia, Batavia No. 1, Tsinquill bls.	lb.	.60 Nom.
No. 1, regular, bls	lb.	Nominal
shortstick, bls	lb.	.50 Nom.
broken, bls	lb.	.48 Nom.
China buds, bgs	lb.	.36 - .37
rolls, selected, cs	lb.	.14 - .14½
extra select, broken, bls.	lb.	.12½- .13
Kwangsi, broken, bls	lb.	.15½- .16
Saigon, all medium	lb.	.38 - .39
4-10-4, bls	lb.	.38 - .39
Cassia fistula, bakts	lb.	.26 - .28
Castor bean, bgs., Brazilian ports,	long ton.	250.00 -255.00
Oil (see Oil, castor).		
Pomace, bgs., c.l., works	ton.	35.00 -37.50
Castoreum, nat., cns	lb.	8.00 -12.00
synthetic, cns.	lb.	10.00 -21.00
Catechol, CP, cryst., works, fib. dms., frt. alld.	lb.	2.00 - —
resublimed, works, frt. alld., dms.	lb.	2.25 - —
Catnep, bls	lb.	.65 - .70
Celery seed, French, bgs	lb.	.50 Nom.
Indian, bgs.	lb.	.24 - .24½

Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, ctns., works, frt., alld. on 100 lbs. or more	lb.	.36 - —
granules, ctns., same basis	lb.	.42 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.51 - —
1,000-4,900 lbs frt. alld.	lb.	.52 - —
50-lb. ctns., 100-900 lbs., frt. alld.	lb.	.53 - —
smaller pkgs., works	lb.	.54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.49 - —
1,000-4,900 lbs., frt. alld.	lb.	.50 - —
100-900 lbs., frt. alld.	lb.	.51 - —
smaller pkgs., works	lb.	.52 - —
Granules are 6c. per lb. higher, all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.40 - —
Cerium hydrate, dms., works	lb.	1.00 - —
Oxalate, NF, bbls., kgs., works.	lb.	.50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.75 - —
bgs., smaller lots, works	lb.	2.25 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.92½- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
papermakers, bgs., c.l., works.	ton.	32.50 -40.00
rubbermakers, bgs., c.l., works	ton.	30.00 - -

Chamomile, Hungarian, cs., futures	lb.	.70 - .75
Roman, bls., futures	lb.	1.55 - 1.60
Charcoal, hardwood, lump, bulk, c.l., works	ton.	43.50 - —
bur, bgs., extra, returnable, c.l., works	ton.	45.50 - —
briquets, bulk, c.l., works	ton.	61.70 - —
bgs., c.l., works	ton.	66.70 - —
granular, all grades, bgs., works	ton.	58.50 -64.50
screenings, bgs., works	ton.	33.50 - —
Pinewood,† lump, bgs., c.l., Southern shipping point	ton.	35.00 —
granular, powd., bgs., c.l., works, South	ton.	40.00 - —
l.c.l., works	ton.	50.00 -60.00
Willow, powd., bbls	lb.	.06 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works. 100 lbs.		3.82 - 4.60
l.c.l., works	100 lbs.	4.07 - 4.85
tanks, works	100 lbs.	3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.	100 lbs.	9.02 - 9.96
l.c.l., works	100 lbs.	9.77 -10.71
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	16.00 - —
bulk, c.l., works.	ton.	9.00 - —
200 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	9.50 -15.50

China clay, dom., wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton.	9.50 - —
paper bgs., c.l., works	ton.	12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	20.00 -22.00
powd., cks., l.c.l., ex whse.	ton.	45.00 - —
Chloral hydrate, jars	lb.	.93 - .99
dms.	lb.	.90 - .95
Chlorinated rubber, standard, ctns., 100 lbs. up, works	lb.	.32 - —
smaller lots, works	lb.	.35 - —
1-lb. bots., ex whse	lb.	1.25 - —
Chlorine, liquid, cyls., c.l.	lb.	.05½- —
contracts	lb.	.05¾- —
l.c.l.	lb.	.07¼- —
tanks, single units, works, frt. equald.	100 lbs.	2.00 - —
works, frt. equald.	100 lbs.	2.80 - —
3, wks., frt. equald.	100 lbs.	2.90 - —
1, wks., frt. equald.	100 lbs.	3.50 - —
Chloroform, tech., dms	lb.	.20 - .22
USP, dms.	lb.	.30 - .33
Chloropicrin, com'l, 100 lb. cyl.	lb.	.32 - —
100-lb. cyls., same basis	lb.	.32 - —
25-lb. cyls., ex whse	lb.	1.00 - —
1-lb. bots., ex whse	lb.	1.25 - —
Choline chloride, fib. dms., works.	lb.	3.00 - 3.10
feed grade, fib. dms., works.	lb.	2.00 - —
Dihydrogen citrate, fib. dms., works	lb.	3.00 - 3.10

Spot Deliveries

RESORCINOL U.S.P.

Recrystallized

BENZYL CINNAMATE
CINNAMIC ACID
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
MAGNESIUM METAL POWDER High Purity
HEAVY CALCINED MAGNESIA White
BORIC ACID
PHOSPHORUS Red Amorphous
SODIUM PERBORATE U.S.P.
CHROMIC ACID
TARTARIC ACID, U.S.P.
BLEACHING POWDER, High Test

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chrome acetate, powd., 70% Cr., bbls., works..lb. .82 - .84
ton lots, works..lb. .80 - .82
solut., 7½%, bbls., cs.....lb. .06½- —
8½%, bbls., cs.....lb. .06¾- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.03 - 6.60
Cinchona bark, red, quill, USP, 18 in., cases..lb. 1.20 Nom.
Cinchonidine, small, cryst., cns., 100 ozs..oz. No prices
Cinchonine, small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, drms., works..lb. 4.20 - 4.30
standard, drms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., drms..lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls., futures..lb. 1.00 - 1.10
Citral, bots., cns.....lb. 7.25 - 9.65
Citronellal, bots., drms.....lb. No prices
Citronellol, bots., drms.....lb. 5.70 -12.50
Clove, Madagascar, bls.....lb. .13 - .13½
futures, bls.....lb. .12¾- .13⅛
Zanzibar, bls.....lb. .15½- .16
futures, bls.....lb. .13⅝- .13¾
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
tanks, works.....gal. .08 - .08½
refd., 50-gal., bbls., c.l., works, bbl. 9.00 - —
l.c.l., works.....bbl. 9.50 - —
tanks, works.....gal. .09 - .09½
water-gas, crude, 55-gal. drms., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
refd., 55-gal. drms., c.l., works, drm. 9.00 - —
l.c.l., works.....drm. 9.50 - —
Cobalt acetate, bbls., kgs., divd., lb. .33½- —
feed grade, 23½% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works, lb. 1.35 - —
feed grade, 49½% Co, kgs..lb. 1.65 - —
Chloride, kgs., works.....lb. .37½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 6%, drms...lb. .60 - —
solid, 8½%, drms.....lb. .67 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.34 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. drms..lb. .32½- —
Soyate, 3%-3.5% Co, 50-gal. drms..lb. .42 - .44
Sulphate,[6] drms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .53 - .54
silver, Teneriffe, bgs.....lb. .54 - .55
Cocoa butter, bulk, ship. pt...lb. .23 - —
Cocillana, bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .34 - .35
blue, bls.....lb. .34 - .35
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, drms.....lb. .24 - —
Flexible, USP, drms.....lb. .26½- —
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .87 - .90
Condurango bark, bgs., futures, lb. .20 - .20
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. 1.45 - 1.50
Copper acetate, cupric, bbls., works..lb. .28 - —
smaller containers, wks..lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .23 - .24
Chloride, anhyd., bbls.....lb. .23½- —
crystals, bbls.....lb. .17 - —
Cyanide, tech., bols.....lb. .34 - .38
Hydrate, drms.....lb. .24½- —
Metal, electrolytic.....lb. .19½- —
Naphthenate, 8% Cu, 50-gal. drms..lb. .19 - —
Nitrate, tech., cryst., bbls., wks..lb. .19½- .20½
Oleate, precip., bbls.....lb. .23½- .23½
Oxide, black, bbls., works...lb. .25 - —
red, com'l, bbls., works....lb. .20 - —
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
bgs..lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. drms..lb. .20½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, 99%, cryst., bgs., c.l., works..100 lbs. 7.10 - —
l.c.l., 700 to 30,000 lbs..100 lbs. 7.25 - —
monohydrated, drms., c.l., divd. 100 lbs. 12.10 - —
l.c.l., divd.....100 lbs. 12.95 - —
tribasic, bgs., works, c.l...lb. .20½- .21½
l.c.l., same basis.....lb. .21½- .22
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra,[7] c.i.f. Pacific ports...ton. 208.00 - —
c.i.f. Atlantic or Gulf ports..ton. 210.00 - —
Coriander seed, Argentine, bgs., lb. .06½- .07
Indian, bgs.....lb. No stocks
Italian, bgs.....lb. .06¾- .07
Morocco, bgs.....lb. No stocks
Corn silk, bls.....lb. .70 - .71
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 4.37 - —
bbls., c.l., same basis..... 100 lbs. 4.41 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.72 - —
l.c.l.....100 lbs. 4.87 - —
Corrosive sublimate, cryst., drms., 50 lbs. or more..lb. 2.07 - —
gran., powd., drms., 50 lbs. or more..lb. 1.92 - —
Cottonseed bark, bls.....lb. .40 - .45
Cottonseed hull ash, 33-36% pot-ash, bgs., divd..unit-ton. 1.25 - —
Meal, 41% protein, bulk, mills, c.l. .ton. 80.00 -85.00
Coumarin, cns., 5 lbs. or more, lb. 2.75 - 3.25
smaller lots.....lb. 2.90 - 3.30
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't...lb. .45½- —
smaller lots, bbls., kgs., lb. .46 -.46½

Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol)
Oil, coaltar, crude, tanks works..gal. .16½- —
refined, drms., c.l., works, gal. .26 - .26½
l.c.l., same basis....gal. .28 - .31
tanks, same basis....gal. .19 - —
solution, tanks, works....gal. .15 - —
Wood beech, bots., cbys.....lb. .85 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, drms.....gal. .31 - .32
Cresol, special resin grades, drms., c.l., works, frt. equald. lb. .12½- .13¾
l.c.l., same basis.....lb. .13 - .13¾
tanks, same basis.....lb. .11¾- .12
USP, drms., c.l., same basis..lb. .13¾- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .13 - —
Crotonaldehyde, 91-93%, 55 and 110 gal. drms., l.c.l., works, lb. .17 - —
5 and 10-gal. drms., l.c.l. works..lb. .20½- —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. 1.35 - 1.36
powd., cs.....lb. 1.45 - 1.46
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .43 - .44
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .40 - .41
Syrian, bgs.....lb. .40 - .41
Cutch, bgs.....lb. No stocks
Cyanamide[4] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.85 - —
21% N., pulv., bgs., same basis..unit-ton. 1.75 - —
Cyclohexane, tech., drms. c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 99%-100%, drms., works..lb. .21 - .26
Cyclohexanone, 97½% min., drms., c.l., works..lb. .30 - .33
tech., drms., c.l., works....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls. divd., gal. .37 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, drms., c.l., works..lb. .42½- —
ton lots, works.....lb. .45 - —
tins, smaller lots, works...lb. .48 - .50
Decanol, normal, tech., drms., divd..lb. .33 - —
Deertongue, bls.....lb. .94 - .95
Defluorinated phosphate, paper bgs., works..ton. 35.75 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .23 - .24
over 2% ffa, bbls.....lb. .21 - .22
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.55 - —
l.c.l. .....100 lbs. 5.70 - —
Chicago, bgs., c.l....100 lbs. 5.15 - —
Corn, canary, bgs., c.l...100 lbs. 5.29 - —
l.c.l.....100 lbs. 5.44 - —
Chicago, bgs., c.l...100 lbs. 4.89 - —
dark, bgs., c.l.....100 lbs. 5.39 - —
l.c.l. .....100 lbs. 5.54 - —
Chicago, bgs., c.l...100 lbs. 4.99 - —
white, bgs., c.l.....100 lbs. 5.14 - —
l.c.l. .....100 lbs. 5.29 - —
Chicago, bgs., c.l...100 lbs. 4.74 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .10 - .10¾
l.c.l. .....lb. .10½- .11
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.85
laboratory grade, bots. ..... 100 grams. 4.50 - —
tech., bots., works..... lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices
Dianisidine, dms.....lb. 1.33 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton. 22.00 -25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic coast..ton. 55.00 -59.00
l.c.l., ex whse.....ton. 85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. .....lb. .06 - —
Dibutyl phthalate, 5-gal. cns., frt. alld. E. of Rockies..lb. .33½- —
1-gal. cns., same basis....lb. .35½- —
drms., c.l., same basis.....lb. .29 - —
l.c.l., same basis.....lb. .29½- —
tanks, same basis.....lb. .28 - —
Sebacate, drms., c.l., works..lb. .5370- —
l.c.l., works.....lb. .5620- —
tanks, works.....lb. .5470- —
Tartrate, drms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, drms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, drms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis .....lb. .15 - —
Diethanolamine,[6] drms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, drms., l.c.l..lb. .40 - —
Oxalate, drms., c.l.....lb. .33 - —
l.c.l. .....lb. .33½- —
tanks .....lb. .32 - —
Phthalate,[6] drms., c.l., divd..lb. .28 - .33
tanks, divd. .....lb. .27 - .27
Sulphate, drms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .13 - —
tanks, works.....lb. .13 - —
Diethylamine, drms., c.l., works.lb. .54 - —
l.c.l., works.....lb. .56 - —
tanks, works.....lb. .50 - —
Diethylaminoethanol, drms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, drms.....lb. .48 - —
Diethyleneglycol, drms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —

Diethyleneglycol monobutylether, drms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, drms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14¼- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .28 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, decorticated, bgs....lb. .14 - .14½
dewhiskered, bgs.....lb. .11½- .12
Dimethyl phathalate, dms., c.l., divd..lb. .20 - —
l.c.l., divd.....lb. .20½- —
tanks, divd.....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis.....lb. .36 - —
Dimethylanilin, dms., c.l.....lb. .20 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - —
Dinitrotoluene, rfd., dms.....lb. .18 - —
oily, dms.....lb. .08 - —
Diorthotolylguanidin, dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., incl., wks., South, c.l..gal. .69 - —
tanks, wks., South.....gal. .60 - —
steam dist., dms.....gal. .80 - —
tanks, divd. E.....gal. .77 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .61
dms. .....lb. .45 - .54
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 35% tannin, c.l., U.S. ports, ex dock..ton. 65.00 -67.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .42 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs..... .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb. 12.00 - —
Green, FD&C, No. 1 cns....lb. 12.00 - —
No. 2, cns.....lb. 17.00 - —
No. 3, cns.....lb. 27.00 - —
Orange, FD&C, No. 1, cns....lb. 2.90 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb. 17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns...lb. 3.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.85 - —
Blue, D&C, No. 4, cns.....lb. 12.25 - —
Brown, D&C, No. 1, cns....lb. 12.25 - —
Green, D&C, No. 5, cns....lb. 12.25 - —
No. 6, cns.....lb. 12.25 - —
Orange, D&C, No. 5, cns....lb. 8.25 - —
No. 4, cns.....lb. 15.25 - —
No. 10, cns.....lb. 15.65 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.25 - —
No. 18, cns.....lb. 15.25 - —
Yellow, D&C, No. 7, cns....lb. 8.25 - —
No. 8, cns.....lb. 8.25 - —
No. 11, cns.....lb. 10.25 - —
No. 19, cns.....lb. 15.25 - —
No. 22, cns.....lb. 8.25 - —
No. 23, cns.....lb. 12.25 - —
No. 37, cns.....lb. 12.25 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb. 12.65 - —
Green, Ext., D&C, No. 1, cns. lb. 12.25 - —
Red, Ext. D&C, No. 1, cns..lb. 10.25 - —
No. 3, cns .....lb. 21.25 - —
No. 5, cns .....lb. 7.25 - —
No. 10, cns.....lb. 12.25 - —
No. 13, cns.....lb. 12.25 - —
Yellow, Ext. D&C, No. 1, cns. lb. 6.25 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .69
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .93
294 Paper yellow .....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.30
387 Direct violet B.....lb. 1.00 - 1.80
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .65 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
430 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
405 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 2.00
812 Frimulin .....lb. .70 - .72
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .25 - .50
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
1177 Indigo, 20%, paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .28 - .35
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .35 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .35 - .44
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives..lb. .38 - .44
Blue—
7075 Alizarin astral base..lb. 15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
368 Sudan IV.....lb. .85 - —
860 Oil violet.....lb. .80 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb. 25.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S. lb. .80 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .67 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1130 Indigotin IA.....lb. .95 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G....lb. .47 - .60
234 Resorcin brown Y....lb. .85 - —
235 Resorcin dark brown R. lb. .95 - —
432 Bismarck brown R....lb. .47 - .65
798 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.25 - —
662 Brilliant green.....lb. 2.00 - —
665 Guinea green B.....lb. 1.15 - —
787 Wool green S.....lb. .85 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 3.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red GS..lb. .42 - —
151 Orange I.....lb. .31 - .35
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .42 - —
88 Fast red B.....lb. 1.45 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .46 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 2.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .72 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow—
10 Naphthol yellow S.....lb. .62 - —
138 Metanil yellow.....lb. .54 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .34 - .44
Blue—
860 Indulin .....lb. .69 - .70
Brown—
831 Bismarck brown.....lb. 1.80 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .94 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow—lb. .75 - —
655 Auramine .....lb. 3.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.15 - 1.20
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochlorids, bots...oz. 53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
100 ozs..oz. .85 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 ozs..oz. .75 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .42 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 2.05 - —
l.c.l. .....100 lbs. 2.40 - 2.65
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07

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Metallic soaps possess properties more varied, surprising and paradoxical than any other class of chemical compounds. Some are excellent lubricants; some enormously increase friction between surfaces spread with them.

Although metallic soaps generally will burn, they are valuable flame retardants.

A metallic soap may be the key which will open the way to solving your most troublesome industrial problem. Write the Mallinckrodt Chemical Works for a *free* copy of "METALLIC SOAPS," a booklet which outlines yesterday's, today's and perhaps tomorrow's uses of this entire class of compounds.

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UNIFORM • DEPENDABLE • PURITY

Epsom salt, USP, cryst., bgs., c.l.100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.50 - —
smaller lots.....100 lbs. 2.75 - —
bbls., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
kgs., c.l.....100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal.....100 lbs. 2.85 - —
smaller lots.....100 lbs. 3.10 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.55 - 1.60
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots.. 100 lbs..lb. .96 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospital, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .20½- —
tanks, frt. alld.....lb. .19 - —
98-99%, dms., c.l., frt. alld. lb. .20½- —
l.c.l., frt. alld.....lb. .21 - —
tanks, frt. alld.....lb. .19½- —
99%, dms., c.l., frt. alld..lb. .20%- —
l.c.l., frt. alld.....lb. .21½- —
tanks, frt. alld.....lb. .19%- —
N.F., dms. .....lb. .21%- —
Ethyl acetate, synthetic, 85-90%, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld.....lb. 11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works. lb. .50 - —
l.c.l., frt. alld.....lb. .50½- —
Benzoate, bots.....lb. .50 - .53
B-ethoxy propionate, dms., works..lb. .70 - —
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .56 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 3.55
Formate, dms., Agnue, Calif.lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .0342- —
West of Rockies..lb. .0391- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0361- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0742- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E....lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether, acetate, dms., c.l., works..lb. .18½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .13½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, cns., dms.....lb. 2.65 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime, USP XII.....lb. 2.60 - 3.50
Euphorbia, bls. .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 22.00
bulk, c.l., works.....ton.17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .14¾- .15¼
Indian, bgs., afloat.....lb. .20 - .30½
Fenugreek, domestic, futures, bgs., source..lb. .09 - .09½
Indian, bgs.....lb. .08¾- .09¼
Morocco, bgs. .....lb. .09¾- .10
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13¼- .15
water-white, cs., works.....lb. .14¼- .17
Fir balsam, Canada, cns.....gal.23.00 -24.00
Oregon, bbls. .....gal. 2.65 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton.135.00 - —
65% protein, bgs., E. works. ton.140.00 - —
Fishscrap, dried, 50% protein, bulk, East coast..ton.125.00 -130.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .56 - .60
Blonde, bgs.....lb. .31 - .38
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton.87.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines, ton.88.00 - —
65%, c.l., bulk, mines....ton.82.00 - —
60%, c.l., bulk, mines....ton.81.00 - —
less than 60%, c.l., bulk, mines..ton.80.00 - —
Formaldehyde, bbls., c.l., works. lb. .0595- —
l.c.l., works .....lb. .0645- —
dms., extra, c.l., works.....lb. .0495- .0580
l.c.l., works .....lb. .0545- .0630
tanks, works .....lb. .0320- .0400
tanktrucks, dlvd., N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .35½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09%- —
Fusel oil, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- —
tanks .....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .33 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
liquid, No. 0, bbls., l.c.l....lb. .20½- —
No. 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .15½- —
solid, No. 1, bxs., l.c.l.....lb. .22½- —

G

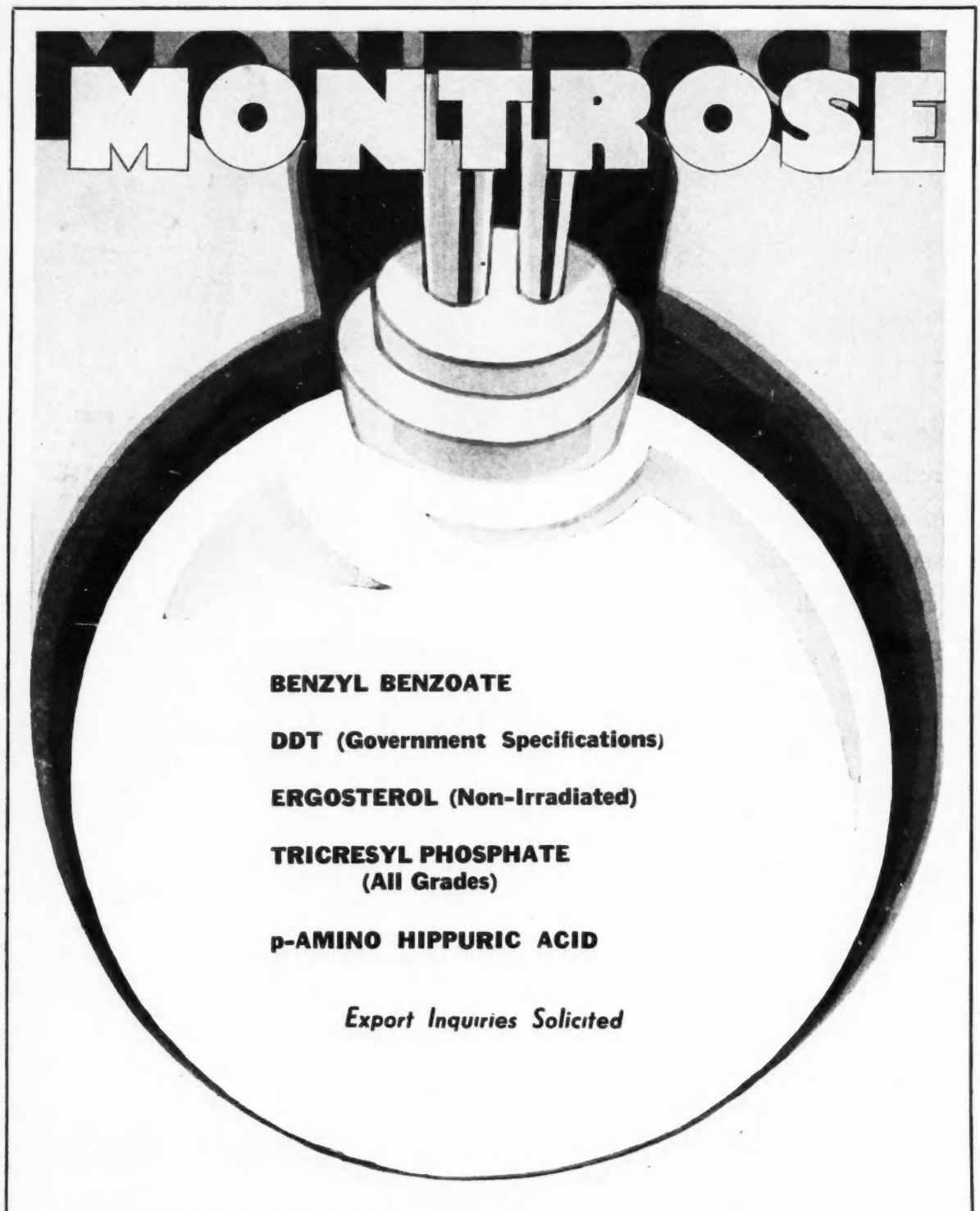
G salt, bbls.....lb. .60 - —
Galangal root, bls.....lb. .26 - .28
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 95%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks, gal. .06½- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07¼
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 3, tanks..gal. .04 - —
Gelatin, silver label, cns., dlvd. lb. .90 - .97
export, cs. .....lb. 1.00 - —

Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.

Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .38
powd., bbls., bxs.....lb. .34 - .36
Geraniol, 92-96%, cns., dms....lb. 9.00 -12.00
Geranyl acetate, cns.....lb. 5.02 -12.50
Ginger, African, No. 1, bls...lb. .14¾- .15¼
Calicut, Romeo-type, bgs....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16¼- .17
unbleached, bgs.....lb. .15¼- .15¾
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs.....lb. .17 - .17½
No. 3, bgs.....lb. .16 - .16¼
Rhattoon, bgs. .....lb. .14 - .14½
Glaubers salt, annyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
30/56, bgs., c.l., same basis..lb. .15½- .23½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test m grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-298, bgs., c.l., dlvd.....lb. .20 - .27½
299-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .32½
4461-494, bgs., c.l., dlvd....lb. .26 - .33½
496-529, bgs., c.l., dlvd.....lb. .27 - .34½

Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .45 - .50
soaplye, 80%, tanks.....lb. .35 - .50
dynamite, dms., c.l.....lb. .65¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
high gravity, dms., c.l.....lb. .65¼- .75¾
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
refined, B.P., 96%, dms., c.l..lb. .65¾- .75¾
tanks .....lb. .65¼- .75¾
USP, 95%, dms., c.l.....lb. .65¼- .75¾
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
yellow, distilled, dms., c.l...lb. .55 - .75
tanks .....lb. .55 - .75



MONTROSE *Chemical Company*
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Glycine, USP (see Acid, aminoacetic).			
Glycol boriborate, dms.	lb.	.22	—
Stearate, dms.	lb.	.36	—
Gold chloride, acid-brown, bots.	oz.	20.75	-21.00
acid-yellow, bots.	oz.	16.75	-19.00
Gold-soda chloride photo., bots.	oz.	13.00	—
USP IX, bots.	oz.	14.50	-14.75
Goldenseal root, bls.	lb.	8.50	- 8.75
powd., bxs.	lb.	9.00	- 9.25
Gold of pleasure seed, bgs.	lb.	No stocks	
Grains of paradise, bgs.	lb.	.49	- .49
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½	—
70-75%, bgs., same basis.	lb.	.05	—
75-80%, same basis.	lb.	.05½	—
80-85%, bgs., same basis.	lb.	.06	—
85-90%, bgs., same basis.	lb.	.07	—
90% and up, same basis.	lb.	.08	—
imported, amorphous, powd., dlvd.	lb.	.04	- .06
crystalline, 98-90%, powd., same basis.	lb.	.14	- .16
90-95%, powd., same basis.	lb.	.16	- .19
97% powd., same basis.	lb.	.23	- .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis.	lb.	.21	- .22
No. 2, same basis.	lb.	.22	- .24
Grease, choice, loose	lb.	.22	—
house, loose	lb.	.20½	—
yellow, loose	lb.	.21	—
white, loose	lb.	.21½	—
Green (see Adeps lanae and Degras).			
Green, brilliant, thioflavin toner, molybdic, kegs., works.	lb.	3.25	—
tungstic, kgs., works	lb.	3.75	—
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.29	—
6-10%, bbls., same basis.	lb.	.30	—
11-15%, bbls., same basis.	lb.	.31	—
16-20%, bbls., same basis.	lb.	.31½	—
21-25%, bbls., same basis.	lb.	.32½	—
26-30%, bbls., same basis.	lb.	.33½	—
31-35%, bbls., same basis.	lb.	.33¾	—
36-40%, bbls., same basis.	lb.	.35½	—
41-45%, bbls., same basis.	lb.	.37	—
46-50%, bbls., same basis.	lb.	.38¾	—
50% and over, bbls., same basis.	lb.	.39¾	—
reduced color, 5%, bbls., same basis.	lb.	.10	—
6-10%, bbls., same basis.	lb.	.10¾	—
11-13%, bbls., same basis.	lb.	.11¼	—
14-16%, bbls., same basis.	lb.	.12	—
17-19%, bbls., same basis.	lb.	.12¼	—
20-21%, bbls., same basis.	lb.	.12½	—
22-23%, bbls., same basis.	lb.	.12¾	—
24-26%, bbls., same basis.	lb.	.13	—
26-27%, bbls., same basis.	lb.	.13½	—
28-29%, bbls., same basis.	lb.	.14	—
30-31%, bbls., same basis.	lb.	.15	—
32-33%, bbls., same basis.	lb.	.16¼	—
34-35%, bbls., same basis.	lb.	.17¼	—
36-40%, bbls., same basis.	lb.	.20	—
41-45%, bbls., same basis.	lb.	.22½	—
46-50%, bbls., same basis.	lb.	.22¾	—
51-55%, bbls., same basis.	lb.	.23½	—
56-60%, bbls., same basis.	lb.	.24	—
61-65%, bbls., same basis.	lb.	.25	—
66-70%, bbls., same basis.	lb.	.26¼	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, Ia. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works.	lb.	.37½	- .90
Malachite, thioflavin toner, molybdic, bbls., works.	lb.	3.00	—
tungstic, bbls., works.	lb.	3.50	—
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works.	lb.	.85	—
toner, bbls., works.	lb.	4.00	- 5.00
Paris (see P).			
Tungstated, brilliant, kgs.	lb.	3.00	- 4.00
emerald, kgs.	lb.	2.60	—
Verdigris (see V).			
Green dyes (see Dyes, coaltar).			
Grindelia robusta, bls.	lb.	.80	- .85
Guaiac, resin, cs.	lb.	.32	- .34
Wood, bls.	lb.	.35	- .36
Guaiacol, cryst., N.F., tins.	lb.	1.60	- 1.65
Liquid, N.F., bots., cbys.	lb.	1.60	- 1.84
Carbonate, dms.	lb.	2.40	- 2.46
Guarana, powd., cs.	lb.	2.00	- 2.10
Gum accroides (see Gum, yacca).			
Aloe (see A).			
Ammoniac, tears, cs.	lb.	.90	- .95
Arabic, amber, sorts, bgs.	lb.	.12½	- .14
white, sorts, 1, bgs.	lb.	.28	- .29
Asphaltum (see A).			
Asafetida (see A).			
Benzoin, Sumatra, cs.	lb.	.80	- 1.00
Camphor (see C).			
Copal, Congo, bgs.	lb.	No prices	
East India, bgs.	lb.	No prices	
Manila, baskets	lb.	No prices	
Dammar, cs.	lb.	No prices	
Elemi, cns.	lb.	No prices	
Ester,[7] gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.1300	—
l.c.l., dlvd., Ill., etc.	lb.	.1325	—
other points, same basis.	lb.	.1400	—
wood-resin type, dms., c.l., dlvd. Ill., Ind., etc.	lb.	.1650	- .1674
Euphorbium, cs.	lb.	1.50	Nom.
Galbanum, cs.	lb.	.95	- 1.00
Gamboge, pipes, cs.	lb.	2.00	2.05
powd., bbls.	lb.	2.25	- 2.30
Ghatti, bgs.	lb.	No stocks	
Guaiac (see Guaiac resin).			
Karaya, bbls., bxs., dms.	lb.	.21	- .22
Kauri, cs.	lb.	No prices	
Locust bean, powd., bbls.	lb.	.50	- .60
Mastic, cs.	lb.	2.75	- 3.00
Myrrh, cs.	lb.	.48	- .50
Olibanum, siftings, cs.	lb.	.12	- .18
tears, cs.	lb.	.27	- .45
Opium (see O)			
Red (see Gum yacca)			
Rosin (see R).			
Sandarac, bgs.	lb.	.90	- .95
Scammony, cs.	lb.	1.80	- 1.85
Talha, bgs.	lb.	.10	- .11
Tragacanth, No. 1, cs.	lb.	3.00	- 3.25
No. 2, cs.	lb.	2.65	- 2.90
No. 3, cs.	lb.	2.20	- 2.45
Yacca, bgs.	lb.	No prices	

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald.	ton.	22.65	—
Harlem River, N. Y., frt. equald.	ton.	26.25	—
Medicine Lodge, Kan., frt. equald.	ton.	17.00	—
New Brighton, N. Y., frt. equald.	ton.	30.65	—
Southard, Okla., frt. equald.	ton.	17.00	—
Sweetwater, Tex., frt. equald.	ton.	21.45	—
Acme, Texas, frt. equald.	ton.	12.50	—
Blue Rapids, Kan., frt. equald.	ton.	10.50	—
Harlem River, N. Y., frt. equald.	ton.	12.00	—
Medicine Lodge, Kan., frt. equald.	ton.	12.50	—
New Brighton, N. Y., frt. equald.	ton.	13.00	—
Southard, Okla., frt. equald.	ton.	12.50	—
Sweetwater, Tex., frt. equald.	ton.	12.50	—
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Piasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald.	ton.	8.00	—
Saltville, Va., frt. equald.	ton.	9.00	—
Gypsum, terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis.	lb.	14.40	—

H

Hawthorn berries, bgs.	lb.	.60	- .65
Heliotropin, cryst., cns.	lb.	3.85	- 4.00
Hellebore, white, powd., bbls.	lb.	.66	- .67
Helonias root, bls.	lb.	2.25	- 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l.	lb.	.41	—
No. 1, bbls., l.c.l.	lb.	.40	—
No. 1A, bbls., l.c.l.	lb.	.37	—
No. 2, bbls., l.c.l.	lb.	.36	—
No. 3, bbls., l.c.l.	lb.	.34	—
No. 4, bbls., l.c.l.	lb.	.32	—
No. 5, bbls., l.c.l.	lb.	.30	—
paste, No. 1, bbls., l.c.l.	lb.	.17½	—
No. 2, bbls., l.c.l.	lb.	.16½	—
No. 3, bbls., l.c.l.	lb.	.15½	—
red, No. 4, bbls., l.c.l.	lb.	.14½	—
Hemlock bark extract, 25% tan, bbls., c.l., works.	lb.	No stocks	
tanks, works.	lb.	No stocks	
Henbane leaves, bls.	lb.	1.00	- 1.25
Henna leaves, bls.	lb.	.29	- .30
powd., bbls., bxs.	lb.	.84	- .90
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3,	gal.	.12¾	—
l.c.l., Group 3	gal.	.19	—
tanks, Group 3	gal.	.10½	—
77°-115° C., dms., c.l., Group 3	gal.	.18	—
l.c.l., Group 3	gal.	.19	—
tanks, Group 3	gal.	.10½	—
Heptane, laboratory grade, dms., c.l., Group 3	gal.	.16	—
l.c.l., Group 3	gal.	.23	- .25
Hexalin (see cyclohexanol).			
Hexaethyl tetraphosphate, chys., cns., works.	lb.	2.00	—
dms., c.l., works.	lb.	1.10	—
l.c.l., works	lb.	1.25	- 1.75
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C.	lb.	.24	—
smaller lots, same basis.	lb.	.25	—
USP, dms., 500 lbs. or more, same basis.	lb.	.25	—
smaller lots, same basis.	lb.	.26	—
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3,	gal.	.12½	—
l.c.l., Group 3	gal.	.19	—
tanks, Group 3	gal.	.10½	- .11
laboratory grade, dms., c.l., Group 3	gal.	.16	—
l.c.l., Group 3	gal.	.20	- .25
Hexanol, normal, dms., l.c.l., works.	lb.	.25	—
Hematropine hydrobromide, bots.	oz.	15.00	-25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.	unit-ton.	8.50	—
Hops, NF, bls.	lb.	.50	- 1.50
Horehound, bls.	lb.	.12½	- .13
Hydrangea root, bls.	lb.	.23	- .25
Hydrastine, alkaloid, bots.	oz.	20.00	-21.00
Hydrochloride, bots.	oz.	20.00	-22.00
Sulphate, bots.	oz.	20.00	-22.00
Hydrastinine, 10-gr. bots.	bot.	1.25	—
Hydrastis (see Goldenseal).			
Hydrofuramide, dms., fib. cns., works.	lb.	.39	- .40

BEMIS MINUTE MOVIES

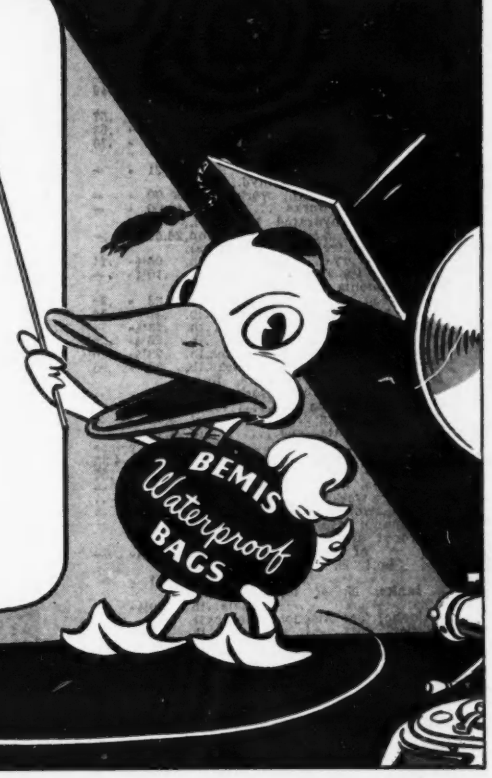
for Shippers who want to save time and money

"The Salvation of Mr. Useful"

Scenario: Mr. Useful, a well-known chemical has an important job—absorbing moisture. But he overdid it. Being so thirsty, he often reached work pretty well "loaded."

Question: how to keep our hero away from drink until he reaches the job. Obvious answer: a moistureproof container. But, here's the hitch: the container must be low cost. So...

Happy Ending: Mr. Useful now goes to work in Bemis Waterproof Laminated Textile Bags. His weakness is controlled. He arrives in fine shape ... does a good job ... and saves money.



PRE-TESTS STOP PROTESTS! Bemis Waterproof Laminated Textile Bags head off complaints because they are tested *before* they are put to work. Their strength and tear-resistant, puncture-resistant qualities are pre-proved for you. And their economy is attested by thousands of users.

This Bemis Waterproof Bag is light in weight, yet is the strongest shipping bag made. It assures low-cost protection against sifting, breakage, change in moisture content, escape or absorption of odors, and many other common shipping complaints. A Bemis Waterproof Bag can also be made acid-, oil-, or grease-resistant. It's ideal for LCL and export shipments. Empty or filled, it saves storage space.

If the *exact* Waterproof Bag you need doesn't exist, the Bemis Shipping Research Laboratory will design it for you.

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Hydrogen peroxide, USP, bbls. lb. .06¾- .94
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .15¾
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 17.00 -21.00
dms., extra, ref'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz. 39.00 -45.00
Hyoscyamine, bots.....oz. 18.00 -20.00
Hydrobromide, bots.....oz. 18.00 -19.50
Sulphate, bots.....oz. 14.00 -19.50
Hypersic extract, cryst., No. 1, bbls., l.c.l...lb. .48 - —
No. 2, bbls., l.c.l.....lb. .40 - —
liquid, No. 1, bbls., l.c.l..lb. .27 - —
No. 2, bbls., l.c.l.....lb. .22 - —
solid, No. 1, bxs., l.c.l....lb. .33 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .69 - .70

I

Iceland moss, bgs. .....lb. .50 - .53
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls. .....lb. .74½- .85
Indol, CP, bots.....lb. 19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 100-lb. kgs., ex whse., Staten Island..lb. 1.43½- —
resubl., 5-lb. bots., jars.....lb. 2.10 - —
Iodoform, 100-lb. dms., kgs....lb. 4.45 - —
Ionone, ketone, bot.....lb. 6.00 -14.00
Methyl, bot. .....lb. 6.25 -16.25
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bgs. .....lb. 6.25 - 6.50
Irish moss, bleached, prime...lb. .28 - .30
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd. .....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns. .....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works.100 lbs. 4.90 - 5.25
l.c.l., works. .. .100 lbs. 7.50 - 8.25
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms. lb. .70 - .75
powd., cns. .....lb. .84 - .87
Glycerophosphate, N.F., powd. lb. 4.35 - —
Hypophosphite, bbls., dms..lb. 1.60 - 1.65
Iodide, bots.....lb. 3.45 - —
Naphthenate, 6% Fe, 50-gal. dms..lb. .16½- .17¼
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms. .....lb. .28 - .33
powd., cns. .....lb. .32 - —
kgs. .....lb. .47 - .49
Phosphate, soluble, NF, gran., cs..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 99%, kgs.....lb. .68 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .21 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton. 35.00 - —
l.c.l., works .....ton. 40.00 - —
partially hydrated bgs., c.l., works..ton. 30.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls. dms..lb. .03½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .16¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .36
scale, dms. .....lb. .49 - .52
Oxalate, bbls. .....lb. .23½- —
dms., kgs. .....lb. .25½- .26½
Iron-soda oxalate, bbls., dms.lb. .23½- .25½
Isobornyl acetate, cns., works.lb. .80 - .85
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.25 - —
l.c.l., works .....gal. 4.45 - 4.55
tanks, works .....gal. 4.25 - —
Isobutyl acetate, cns.....lb. 1.10 - —
Propionate, cns. .....lb. No prices
Isoeugenol, extra cns.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works .....lb. .23 - —
tanks, works .....lb. .20 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.lb. .10½- —
l.c.l. E. of Rockies, same basis..lb. .11 - —
tanks, E. of Rockies, same basis..lb. .09½- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., dlvd.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks, dlvd. .....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .20 - .21
Jalap root, NF, bls.....lb. .45 - .50
powd., bbls., bxs.....lb. .55 - .60
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .22 - .25
Juniper tar, USP, dms.....lb. .93 - 1.00

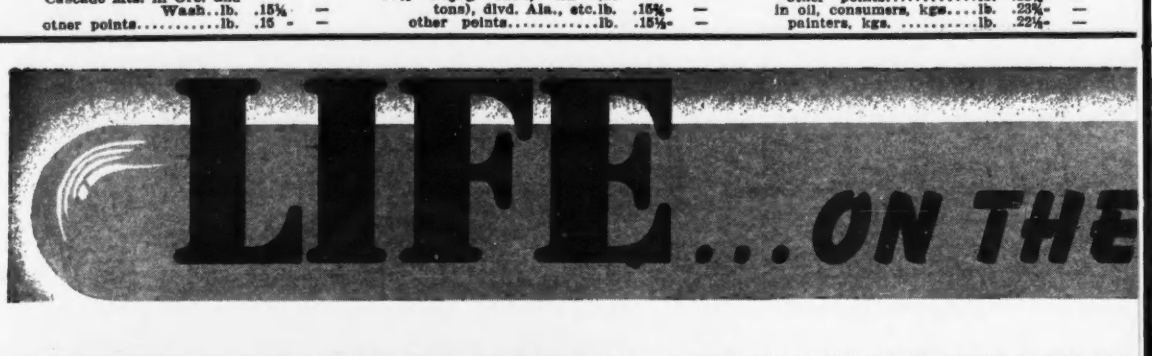
K

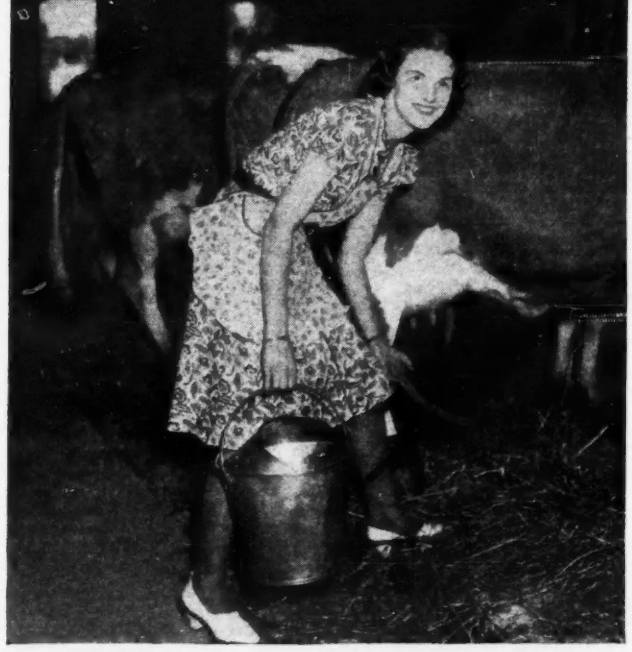
Kamala, powd., cns.....lb. .40 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .20 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43, w.w., tanks.. gal. .061 - —
California, 40-42 w.w., tanks. gal. .07 - —
Gulf ports, 41-43 w.w., tanks. gal. .04½- .05
Okla.-Tex., 41-43 w.w., tanks. gal. .04375- —
Penn., 45 w.w., tanks....gal. .0655- .0705
47 w.w., tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton. 85.00 -95.00
calcined, grain, 10-mesh, whse. ton. 95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Larkspur seed, bxs.....lb. .20 - .22
Laurel berries, bls.....lb. .25 - .28
Leaves, Cyprus, bls.....lb. .23 - .29
Greek, bls. .....lb. .12½- .20
Portuguese, futures, bls....lb. .15½- .16
good, bls.....lb. .15 - .15½
Turkish, bls.....lb. .15 - .15½
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls. .....lb. .35 - .42
select, bls. .....lb. .65 - .70
Lead, acetate, white, broken, bbls..lb. .16 - —
cryst., bbls. .....lb. .16¼- —
gran., powd., bbls.....lb. .16¾- —

Lead arsenate, basic powder, 3-lb. bgs. or larger, c.l..lb. .17½- —
l.c.l. .....lb. .18 - —
1-lb. ctns., c.l.....lb. .24 - —
l.c.l. .....lb. .24½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E..lb. .13¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .13½- —
l.c.l., dlvd. E.....lb. .13½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .13¾- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.94 - —
Linoleate, solid, 18%, bbls...lb. .41¾- —
Metal,[6] (see Protective Coatings Materials market).
Metallic paste, dms., works.lb. No stocks.
Naphthenate, 24%-30% Pb...lb. .16 - .19½
Nitrate, bbls.....lb. .15½- .15¾
Oleate, bbls. .....lb. .17¾- —
Peroxide, powd., tech., bbls.. lb. .28 - .30
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev. N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .15¼ —
other points.....lb. .15 - —
Lead, red, 95% Pb_3O_4 or less, bbls., l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .15¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .16¼- —
Colo., Mont., N. Mex., Wyo..lb. .16 - —
other points.....lb. .15¾- —
smaller lots, Ala., etc.lb. .16¼- —
Ariz., etc. .....lb. .16¾- —
Colo., etc. .....lb. .16½- —
other points.....lb. .16 - —
in oil, kgs.....lb. .23½- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.lb. .15½- —
other points.....lb. .16 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .16¼- —
Ariz., etc. .....lb. .16 - —
Colo., etc. .....lb. .15¾- —
other points.....lb. .16 - —
smaller lots, dlvd. Ala. lb. .16¼- —
Ariz., etc. .....lb. .17 - —
Colo., etc. .....lb. .16¾- —
other points.....lb. .16¾- —
96% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.lb. .15¾- —
other points.....lb. .15½- —
Lead, red, 98% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc..lb. .16¼- —
Ariz., etc. .....lb. .16¾- —
Colo., etc. .....lb. .16½- —
other points.....lb. .16 - —
smaller lots, dlvd. Ala., etc..lb. .16¾- —
Ariz., etc. .....lb. .17¼- —
Colo., etc. .....lb. .17 - —
other points.....lb. .16½- —
Resinate, precip., 28.5% Pb, dms..lb. .22½- —
Silicate, bgs.....lb. .14½- .15
Soyate, 20.15% Pb., dms.....lb. .23½- —
Stearate, bbls. .....lb. .34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 19% Pb, dms.....lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, cas delivery, E. frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .14 - —
dlvd. other points....lb. .13¾- —
l.c.l., dlvd. Ariz., etc....lb. .14¼- —
other points.....lb. .14 - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .13¼- —
other points.....lb. .13½- —
l.c.l., dlvd. Ariz., etc....lb. .13½- —
other points.....lb. .13¾- —
in oil, consumers, kgs....lb. .23¾- —
painters, kgs. .....lb. .22½- —





(*Above*) **AS A DISINFECTANT,** Surface Active Agent M can be used for the spraying of cow stalls, dairy barns, fowl coops, and for the sterilization of cows' udders prior to milking.

(*Below*) **AS A GERMICIDAL DETERGENT,** Surface Active Agent M should find extensive use in the dairy, soft drink, and brewery industries for washing and rinsing bottles and cans, cleaning floors, pasteurizers, cooling towers, and other equipment.

SURFACE ACTIVE AGENT M, GERMICIDAL OR ANTI-BACT AGENT, HAS MANY IMPORTANT POTENTIAL USES

Surface Active Agent M is a bactericidal and germicidal gent of a high degree of potency. Its use involves an en new and revolutionary approach to industrial steriliz

Surface Active Agent M belongs to a class of pro known as quaternary ammonium compounds, and its ical name is myristamidopropyl dimethyl benzyl ammo chloride. It is a cationic surface active agent. Anionic cationics, if brought into contact in solution, will reac precipitate each other, an important fact in connection their many applications.

Surface Active Agent M is easily applied or used. necessary only to dilute it with hot or cold water and apply by spray, immersion, flushing, or wiping. The c nation of freedom from toxicity and rapid anti-bacterial a provides a safe and effective means for controlling bac organisms.

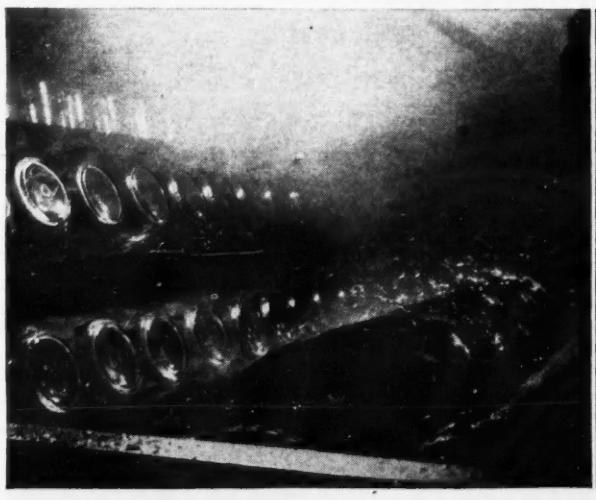
Information on suggested uses for Surface Active Age and samples will be sent on request.

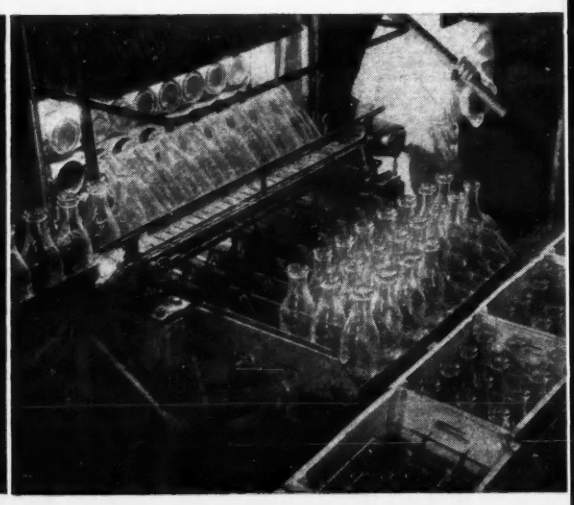
Surface Active Agent M

$$C_{13}H_{27}CONH(CH_2)3\text{-}\underset{\displaystyle Cl}{\overset{\displaystyle CH_3\ \ CH_3}{N}}\text{-}CH_2C_6H_5$$

PROPERTIES OF SURFACE ACTIVE AGENT M

Appearance	tan liquid
Odor	solvent
Taste—0.5% solution	slightly bitte
Solubility at 30° C.	infinite
pH—1.0% solution	8.2
Wetting power (AEROSOL® OT 100%=100)	12.1
Surface tension at 0.05%	31.6
Detergency (0.25%)	good
Emulsifying power	some
Phenol coefficient at 37° C. on Staphylococcus Aureus	400—800
Sodium hydroxide tolerance	11.4%
Calcium chloride tolerance	10,000 p.p.m
Foaming power	very good
Lathering power	good
Fungicidal power	fair





Lecithin, edible, dms., c.l.	lb.	.36 -	—
l.c.l.	lb.	.38½-	.58½
tech., dms., c.l.	lb.	.36 -	—
l.c.l.	lb.	.38½-	.58½
Lemon peel, bls.	lb.	.35 -	.40
Licorice extract, mass, cns.	lb.	.40 -	.45
powd., bbls.	lb.	.60 -	.62
Root, natural, bls.	lb.	.12 -	.14
powd., bbls.	lb.	.18 -	.20
5-lb. bundles, cs.	lb.	.65 -	.66
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 -	—
Lime, agricultural, works.	ton.	9.00 -	9.00
Chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 -	—
Annville, Pa.	ton.	8.50 -	—
Bellefonte, Pa.	ton.	8.50 -	—
Berkeley, W. Va.	ton.	8.50 -	—
Buffalo, N. Y.	ton.	10.25 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa.	ton.	9.00 -	—
Crab Orchard, Tenn.	ton.	7.90 -	—
Eagle Mountain, Va.	ton.	8.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio	ton.	7.50 -	—
Hannibal, Mo.	ton.	7.50 -	—
Keystone, Ala.	ton.	7.90 -	—
Knoxville, Tenn.	ton.	7.90 -	—
Limedale, Ark.	ton.	8.00 -	—
Longview, Ala.	ton.	7.90 -	—
Manistique, Mich.	ton.	8.00 -	—
Marblehead, Ohio	ton.	8.50 -	—
Martinsburg, W. Va.	ton.	8.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, Ind.	ton.	7.50 -	—
Nawala, Ala.	ton.	7.90 -	—
Ripplemead, Va.	ton.	8.50 -	—
Riverton, Va.	ton.	8.50 -	—
Rockland, Maine	ton.	8.00 -	—
Scioto, Ohio	ton.	8.50 -	—
Sherwood, Texas	ton.	7.90 -	—
Sherwood, Wisc.	ton.	8.50 -	—
Lime, chemical (quicklime) lump, pebble, Springfield, Mo.	ton.	8.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	8.50 -	—
Hydrated, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Berkeley, W. Va.	ton.	10.00 -	—
Buffalo, N. Y.	ton.	10.50 -	—
Carey, Ohio	ton.	8.50 -	—
Cedar Hollow, Pa.	ton.	10.00 -	—
Crab Orchard, Tenn.	ton.	10.05 -	—
Eagle Mountain, Va.	ton.	10.00 -	—
Farnams, Mass.	ton.	10.00 -	—
Gibsonburg, Ohio	ton.	9.50 -	—
Hannibal, Mo.	ton.	9.50 -	—
Keystone, Ala.	ton.	11.05 -	—
Knoxville, Tenn.	ton.	10.05 -	—
LaRue, Minn.	ton.	10.00 -	—
Limedale, Ark.	ton.	10.00 -	—
Longview, Ala.	ton.	11.05 -	—
Manistique, Mich.	ton.	9.50 -	—
Marblehead, Ohio	ton.	10.50 -	—
Martinsburg, W. Va.	ton.	10.00 -	—
Mitchell, Ind.	ton.	10.00 -	—
Nowata, Ala.	ton.	11.05 -	—
Petoskey, Mich.	ton.	10.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. Dak.	ton.	12.00 -	—
Rippleмead, Va.	ton.	10.00 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	8.00 -	—
Sherwood, Tenn.	ton.	11.05 -	—
Sherwood, Wisc.	ton.	10.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	10.00 -	—
Spray, paper bgs., Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Carey, Ohio	ton.	11.00 -	—
Farnams, Mass.	ton.	9.50 -	—
Lime, spray, Gibsonburg, Ohio.	ton.	10.00 -	—
Marblehead, Ohio	ton.	10.00 -	—
Rockland, Maine	ton.	10.00 -	—
Scioto, Ohio	ton.	10.00 -	—
Woodville, Ohio	ton.	10.00 -	—
York, Pa.	ton.	10.00 -	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen* 20.6% N. (see Ammonia nitrate-lime-stone).			
Limestone, ground, bulk, works.	ton.	1.40 -	—
Linalool	lb.	7.35 -	7.90
Linalyl acetate, ex bois de rose, bots.	lb.	8.50 -	—
ex lignaloe wood, bots.	lb.	7.75 -	8.40
ex petitgrain, bots.	lb.	5.15 -	6.00
Linden flowers with leaves, bls.	lb.	.55 -	.60
without leaves, bls.	lb.	.65 -	.70
Linseed meal, 34%, bulk, mills.	ton.	50.00 -	—
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.14 -	—
other points	lb.	.13½-	—
l.c.l., 5 tons, dlvd., Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.14½-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.15 -	—
Litharge, com'l, powd., bbls., 5 tons, dlvd., Colo., Mont., N. Mex., Wyo.	lb.	.14½-	—
other points	lb.	.14½-	—
smaller lots, dlvd. Ala., etc.	lb.	.15 -	—
Ariz., etc.	lb.	.15½-	—
Colo., etc.	lb.	.15½-	—
other points	lb.	.14½-	—
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90 -	—
Carbonate, NF, bbls., kgs.	lb.	1.15 -	—
Chloride, jars	lb.	1.15 -	1.65
Citrate, bbls., dms., kgs.	lb.	1.30 -	1.40
Fluoride, bbls.	lb.	1.90 -	—
Hydroxide, jars	lb.	1.15 -	1.25
Lithopone, ordinary, bgs., c.l., (20 tons).	lb.	.05 -	—
l.c.l.	lb.	.05½-	—
bbls., c.l.	lb.	.06½-	—
l.c.l.	lb.	.06½-	—
Titanated (high-strength), bgs.	lb.	.06½-	—
smaller lots	lb.	.07 -	—
bbls., c.l.	lb.	.07½-	—
smaller lots	lb.	.07½-	—
Lithopone, c.l., dlvd. Pac. Coast, ½c. higher; l.c.l., ex whse. Pac. Coast ½c. higher.			
Liverwort leaves, bls.	lb.	.75 -	.75
Lobelia herb, bls.	lb.	.50 -	.55
Lobeline sulphate, bots., wks.	oz.	25.00 -	30.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.24 -	—
No. 2, bbls., l.c.l.	lb.	.23 -	—
liquid, No. 1, bbls., c.l.	lb.	.17 -	—
No. 2, bbls., l.c.l.	lb.	.16 -	—
No. 3, bbls., l.c.l.	lb.	.15½-	—
No. 4, bbls., l.c.l.	lb.	.15 -	—
solid, No. 1, bxs., l.c.l.	lb.	.28 -	—
No. 2, bxs., l.c.l.	lb.	.26 -	—
bbls., c.l., Zone 1	lb.	.05½-	—
No. 4, bxs., l.c.l.	lb.	.25 -	—
No. 5, bgs., l.c.l.	lb.	.23½-	—
No. 5, bxs., l.c.l.	lb.	.24½-	—
No. 6, bxs., l.c.l.	lb.	.20½-	.21½
Lovage root, American (Ligusticum actae folium), bbls.	lb.	1.30 -	1.60
Lupulin, NF, tin.	lb.	13.75 -	15.00
Lycopodium, USP, cs.	lb.	2.00 -	2.05

M

Mace, Banda, cs.	lb.	No stocks.	
West Indian, bgs., futures.	lb.	1.60 -	1.70
Broken, bgs., futures.	lb.	1.30 -	1.40
Madder, Dutch, bbls.	lb.	.24 -	.26
Magnesia arsenate,[1] dms.	lb.	.155 -	.16
Calcined, tech., USP, bbls., works.	lb.	.13 -	—
Carbonate, tech., bgs., c.l., l.c.l., Zone 1.	lb.	.07½-	—
bbls., c.l., Zone 1	lb.	.07½-	—
l.c.l., Zone 1	lb.	.08½-	—
kgs., c.l., Zone 1	lb.	.08½-	—
l.c.l., Zone 1	lb.	.09½-	—
USP, bgs., c.l., Zone 1	lb.	.08 -	—
l.c.l., Zone 1	lb.	.09 -	—
bbls., c.l., Zone 1	lb.	.08½-	—
l.c.l., Zone 1	lb.	.09½-	—
kgs., c.l., Zone 1	lb.	.09½-	—
l.c.l., Zone 1	lb.	.10½-	—
Magnesia carbonate prices, basis Philipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa., Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.			
Chloride, anhyd., bbls., dlvd.	lb.	.12½-	—
flake, bbls., c.l., works.	ton.	37.00 -	—
l.c.l., works.	ton.	44.00 -	—
Fluoride, bbls.	lb.	.20 -	.25
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.20 -	.25
Hypophosphite, cns.	lb.	1.45 -	—
Laurate, bbls.	lb.	.23 -	.28
Oxide (see Magnesia, calcined).			
Peroxide, 15%, dms., works.	lb.	1.00 -	1.05
Phosphate, tribasic, USP, bbls.	lb.	.09 -	—
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.08 -	.09
Stearate, ctns., 2,000 lbs. to c.l.	lb.	.20 -	—
smaller lots	lb.	.21 -	.23
Sulphate (see Epsom salt).			
Trisilicate, dms., 1,000-lb. contracts.	lb.	.07 -	—
smaller lots	lb.	.13 -	—
Magnesite, cal., powd., bgs., c.l., mines, Calif.	ton.	50.75 -	—
dead-burnt, bulk, c.l., Chewelah, Wash.	ton.	22.00 -	32.00
Maleic anhydride, dms., c.l.	lb.	.25 -	—
l.c.l.	lb.	.26 -	—
Malva flowers, black, bls.	lb.	No stocks	
blue, bls.	lb.	1.55 -	1.60
Leaves, bls.	lb.	.40 -	.45
Manaca root, bls.	lb.	.49 -	.50
Mandrake root, bls.	lb.	.33 -	.34
Manganese acetate, dms.	lb.	.32½-	—
Arsenate,[1] bgs.	lb.	.12 -	.13½
Borate, tech., bbls.	lb.	.14 -	.15
Carbonate, bbls.	lb.	.19 -	—
Chloride, anhyd., bbls., wks.	lb.	.14 -	.16
Dioxide, African, battery, 84%-87%, bbls., 25-50 tons, works.	ton.	74.00 -	—
smaller lots, works.	ton.	77.00 -	82.00
85-90%, bbls., c.l., works.	ton.	74.00 -	—
smaller lots, works.	ton.	77.00 -	82.00
84-87%, burlap bgs., c.l., works.	ton.	71.75 -	—
l.c.l., works.	ton.	74.75 -	79.25
paper bgs., c.l., works.	ton.	70.00 -	—
l.c.l., works.	ton.	73.00 -	—
Glycerophosphate, fib. dms.	lb.	4.25 -	—
Hydrate, bbls., dlvd.	lb.	.26 -	—
Iodide, bots.	lb.	5.70 -	—
jars	lb.	5.85 -	—
Linoleate, liquid, 6%, dms.	lb.	.42½-	—
solid, precip., 6.9%, bbls.	lb.	.44½-	—
Naphthenate, 6% Mn, dms.	lb.	.17½-	—
Resinate, fused, 8½%, bbls.	lb.	.60 -	.80½
precip., dms.	lb.	.19 -	—
Soyate, 8.2% Mn, dms.	lb.	.23 -	—
Sulphate, anhyd., dms., works.	lb.	No stocks	
feed grade, 77-80%, bgs.	lb.	.04 -	.05
fertilizer grade, 69%, bgs., c.l., dlvd. East.	ton.	62.00 -	—
l.c.l., same basis, or Balto. or Cincinnati	ton.	65.00 -	—
industrial grade, 80%, bgs.	lb.	.06 -	.09½
75%, bgs., c.l., dlvd. East.	ton.	60.00 -	—
Tallate, 4% Mn, dms.	lb.	.10½-	.11½
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports.	ton.	52.50	Nom.
Manna, flake, large, cs.	lb.	1.50 -	1.55
small, cs.	lb.	No stocks	
Mannitol,[2] com'l, bbls., works, reagent, cs. or multiples, works.	lb.	.33 -	.35
Marjoram, Argentine, bls.	lb.	.14	Nom.
California, French type, new crop, bls., Pacific Coast.	lb.	.25 -	.30
Chilean, bls.	lb.	.15 -	.19½
Matico leaves, bls.	lb.	.15 -	.19½
Menadione, USP, bots., works, gram.		.10 -	—

CHEMICAL NEWSFRONT

ght) **TO MEET TODAY'S ACTING COMPOUND QUIREMENTS** for rubber ducts that must withstand most rugged service condi- s, such as this V-belt drive mechanical rotary oil drill- rig, neoprene stock com- nders depend on the uni- quality of K & M Light gnesium Oxide.

roduced by Keasbey & ttison Company, one of erica's oldest and most re- le makers of magnesia prod- s, K & M Light Magnesium de assures uniform disper- because of its lightness and ness.

ackaged in moisture-resist- containers, according to .C.'s approved standard. it istributed by American Cy- mid Company, manufac- rs of a full line of controlled lity chemicals for the rubber ustry. Samples will be sent request.

Photo courtesy L. H. Gilmer Company, Div. U. S. Rubber Co., Philadelphia, Pa.

(*Above*) **HERE'S NEWS IN FURNITURE!** Laminated plastic table tops, counter tops, and working surfaces for playroom, dining room, kitchen, or restaurant, made with LAMINAC* resin, product of Cyanamid's Plastics Division, are as easy to clean as they are colorful, as durable as they are decorative. Surfaces are hard, smooth, and glossy, resistant to water, beverages, and many chemicals.

*Reg. U. S. Pat. Off.

AMERICAN Cyanamid COMPANY *Industrial Chemicals Division*

30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

Menthol, natural, USP, Brazilian, crs..lb. 7.20 - 7.45
synthetic, tech., crs.....lb. No prices.
USP, laevo, crs.....lb. No prices.
racemic, crs.....lb. 6.10 - 6.30
Menthyl salicylate, tins.....lb. 5.00 - 5.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.99
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.50 - —
yellow, NF, 5lb. dms.....lb. 4.60 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, 2lb dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅛x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls.....lb. 1.16 - 1.21
Metaphenylenediamine, kgs.....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .75 - —
tanks, same basis.....gal. .60 - —

Prices on natural methanol W. of Miss. R., 3c. higher.

synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .39 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .69½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .68 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .69 - —

Natural methyl acetone prices W. of Miss R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .68 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .63 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .63 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .53 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., one 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .46½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - —
bots., crs.....lb. 2.20 - 2.60
Benzoate, crs.....lb. .48 - 1.20
Bromide, crs.....lb. .62 - .66
cyls.....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
Methyl chloride, refrigeration, service men and consumers, 500-lb..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
90-499 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Alcohol (see Methanol).
Cinnamate, crs.....lb. 2.00 - 2.50
Formate, dms.....lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate, dms., 500 lbs.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, crs., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .65
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
crs., works.....lb. 2.25 - —
Chloride, refrig., dms., wks..lb. .15 - .26
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, crs...lb. 3.00 - 4.00
Methylpentanediol, dms., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .06½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .06¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[7] skimmed, roller, bulk, c.l..lb. .15¼- .17¼
spray, bulk c.l.....lb. .15¾- .17¼
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[8] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[9] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[9] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points..lb. .06 - .06½
l.c.l., works.....lb. .06½- .07½
tanks, works, frt. equalized with comp. points..lb. .06½- —
smaller containers, works.. lb. .09 - .10
Monoethanolamine, dms., c l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Monoethylamine, dms., c.l., works, basis 100%...lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl. works, frt. alld. E. of Miss. 100% basis..lb. .83½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
crs., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.60 - —
crs., 25 ozs.....oz. 9.50 - —
Hydrobromine, 5 ozs.....oz. 8.60 - —
crs., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.60 - —
crs., 25 ozs.....oz. 9.50 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
crs., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, crs.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, crs., 100 lbs. or more..lb. 4.00 -12.00
25 lbs.....lb. 4.10 -12.10
5 lbs.....lb. 4.25 -12.50
ketone, crs., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, crs.....lb. 1.60 - 2.00
25 lbs.....lb. 1.70 - 2.60
5 lbs.....lb. 1.85 - 2.90
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .16 - .16½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .22½- .23
Dutch, yellow, bgs.....lb. .22½- .23
Montana, brown, bgs.....lb. .16 - .16½
oriental, bgs.....lb. .11 - .11½
futures, f.o.b. source..lb. .08½- .09
yellow, bgs.....lb. No prices
futures, f.o.b. source...lb. .20½- .21
Washington, yellow, bgs.....lb. No prices
Myrobalans, whole, J1, U. S. ports, ex dock..ton.46.00 -47.00
J2, same basis.....ton.42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equaid..lb. — - —
bbls., c.l., same basis..lb. — - —
tanks, same basis.....lb. .035 - —
78°, bgs., c.l., same basis. lb. — - —
bbls., c.l., same basis..lb. .0410- —
tanks, same basis.....lb. .0375- —
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., crs.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .39
Salt, bbls.....lb. .14 - .14½
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .0660- —
tins, 10 lbs.....lb. 1.015 - —
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

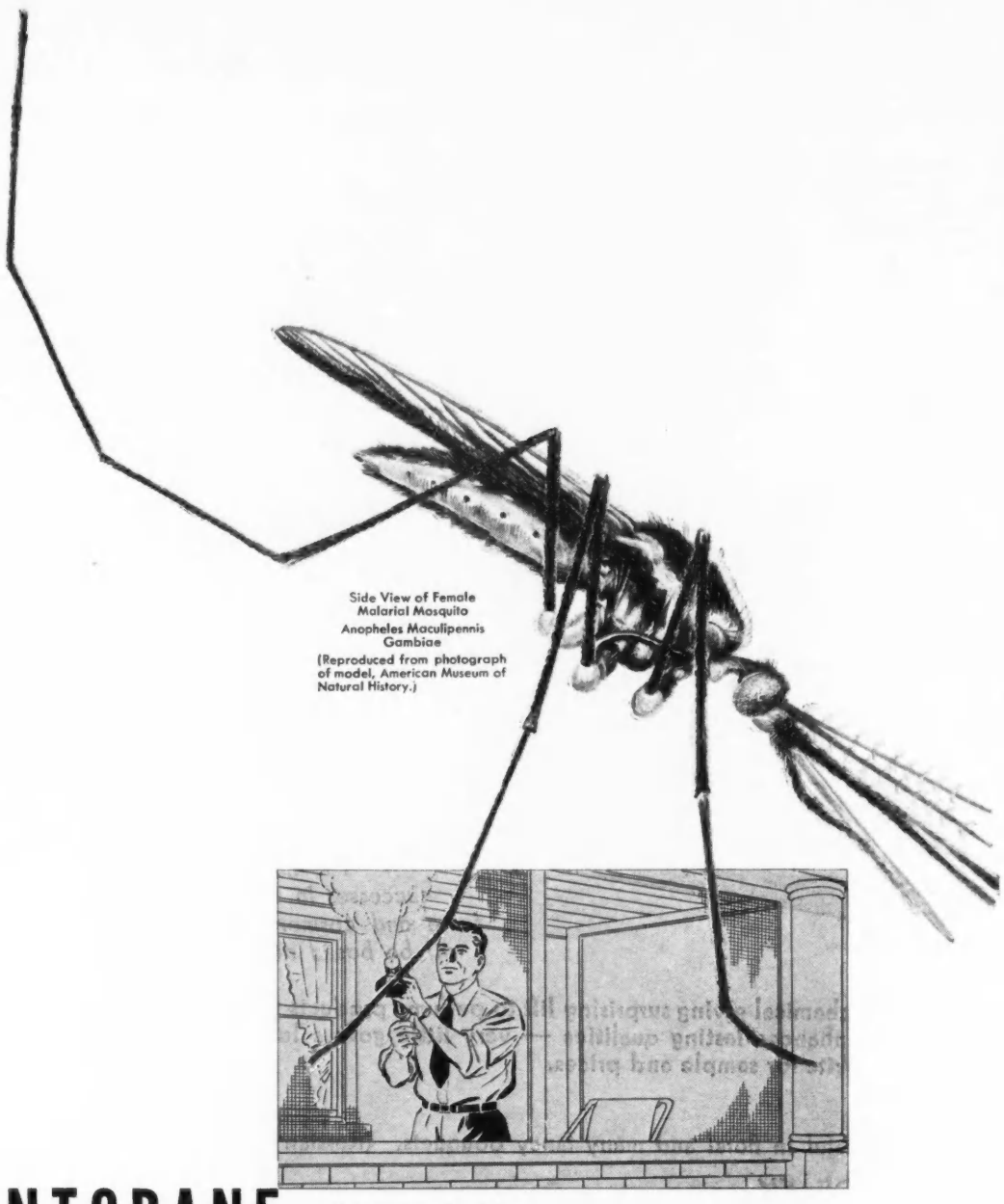
Nitroethane, dms., works.....lb. .35 - —
Nitrogen solut., tanks.....ton.106.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage, bulk, works..unit-ton. 4.00 - 4.50
Sewage sludge, bulk, works.... unit-ton.3.80+.40- —
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots. .....lb. .34 - .35
Nitropropane 1, dms., works..lb. .35 - —
M, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs..lb. .83 - .85
futures .....lb. .80 - .81
Nux vomica, bls. .....lb. .09½- .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.S..gal. .15½- —
l.c.l., G. S.....gal. .29 - —
10 gals., G. S.....gal. .55 - —
tanks, G. S.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.F.A., bots.....lb. 4.25 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., crs....lb. 1.10 - 1.45
Angelica root, bots.....lb. 115.00 -275.00
Seed, bots.....lb. 115.00 -265.00
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.25 - 1.50
Russian, crs.....lb. 3.75 - —
Apricot kernel, crs.....lb. .65 - .85
Avocado, crs., dms.....lb. 1.00 - 1.10
Babassu, tanks .....lb. No prices
Bay, W. I., 50-55%, crs....lb. 1.40 - 1.70
Puerto Rican, 50-55%, crs..lb. 1.50 - 1.80
Bergamot, artif., crs.....lb. 2.25 - 5.50
natural, Italian, crs.....lb. 4.35 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, crs.....lb. 5.00 - 6.00
rectified, crs.....lb. No stocks
Bois de rose, Brazil, crs....lb. 5.15 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.70 - 2.90
redistilled, USP IX, crs...lb. 2.85 - 3.20
Calamus, crs. .....lb. 20.00 -30.00
Camphor, white, nat., crs...lb. .75 - 1.25
synthetic, dms. .....lb. .45 - .55
Cananga, native, crs.....lb. 6.00 -14.00
rectified, crs.....lb. 10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, crs.....lb. 6.00 - 8.75
Cardamom, bots.....lb. 24.50 -30.00
Cassia, USP, crs.....lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l.. No prices
l.c.l.....lb. No prices
Oil, castor, cold-pressed, U.S.P., ret. dms., c.l..lb. .31½- —
l.c.l.....lb. .32½- —
tanks.....lb. .30½- —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l.....lb. .39½- —
tanks.....lb. .38 - —
unbodied, dms., c.l.....lb. No prices
l.c.l.....lb. .38 - —
unbodied, tanks.....lb. .36½- —
No. 3, tech., dms., c.l.....lb. .31¼- —
l.c.l.....lb. .32¼- —
tanks.....lb. .30¼- —
sulphonated, 50% (48% fat), dms., c.l..lb. No prices
l.c.l.....lb. .18½- .22
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l.....lb. .27½- .28¾
Cedarleaf, USP, crs., dms..lb. 2.55 - 2.70
Cedarwood, USP, crs.....lb. .80 - 1.20
dms.....lb. .86 - 1.15
Celery, bots.....lb. 17.00 -22.00
Chaulmoogra, USP, crs....lb. .85 - .95
Chinawood (see Oil, tung).
Cinnamon bark oil, bots...lb. 32.00 -60.00
leaf, dms.....lb. 1.40 - 1.65
Citronella, Ceylon, crs.....lb. 2.10 - 2.75
Java, crs. .....lb. 4.75 - —
Clove, USP, crs.....lb. 1.45 - 1.85
Coconut, Ceylon type, tankcars. lb. .19½ Nom.
Pac. Coast, tankcars.....lb. .18 - —
refined, Cochin type.....lb. No prices
bleached, undeod., tankcars. lb. No prices
deod., tankcars.....lb. No prices
Cod, Newfoundland, dms..gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.50
Coriander, bots.....lb. 17.50 -22.50
Corn, crude, tanks, works...lb. .27½- —
deod., bichd., tanks, Chicago,. lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
foots, acid 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E. lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Croton, NF, crs.....lb. 4.75 - 5.50
Cubeb, crs.....lb. 12.00 -13.00
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb. 12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.75 - 7.00
Dillweed, bots.....lb. 4.75 - 5.25
Dip (see D).
Erigeron, crs.....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, crs...lb. 1.12 - 1.45
70-80%, crs.....lb. 1.05 - 1.40
Fennel, sweet, crs.....lb. 3.75 - 4.50
Fir, Canada, crs.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .80 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .46 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, crs.....lb. 16.00 -28.00
Bourbon, crs.....lb. 15.00 -22.00
Russian, crs.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 10.50 -14.00
Grapefruit, Florida, crs.....lb. 2.20 - 2.45
California, bots., crs.....lb. 2.80 - —
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l....lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, crs.....lb. 2.90 - 4.00
Hemlock, crs. .....lb. 2.60 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 6.00 -13.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., crs.....lb. .65 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, crs. .....lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, crs...lb. 10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, crs.....lb. 13.75 - —
Spike, Spanish, pure, crs...lb. 2.05 - 3.10
tech., crs. .....lb. 1.05 - 2.50
Lemon, USP, Calif., crs.....lb. 3.25 - 3.45
Messina, crs. .....lb. 3.25 - 4.00
Terpeneless, bots.....lb. 40.00 -50.00
Lemongrass, crs., dms.....lbs. 3.75 - 4.45
Lignaloe seed, Mexican, crs.lb. No stocks
Wood, Mexican, crs.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, crs. lb. 5.25 - 7.20
West Indian, crs.....lb. 6.00 - 7.50
expressed, West Indian, crs.lb. 13.50 -15.00
Linseed, raw, dms., c.l.....lb. .3660 Nom.
l.c.l. .....lb. .3720- .3780
tankcars .....lb. .3560 Nom.
tankwagon .....lb. .3580 Nom.
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3240 Nom.
l.c.l. .....lb. .3280- .3340
tanks .....lb. .3140 Nom.
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .22 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks. gal. .18½- .19
200-800 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .26 - .34
200 vis., 25 pour, tanks. gal. .28 - .33
Mace, dist., crs., dms.....lb. 8.50 - 9.00
Mineral, white (see Oil, white).
Mandarin, Brazilian, crs....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto. lb. No prices
refined, alkali, dms., c.l...lb. .30½- —
kettle-bodied dms., l.c.l...lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks .....lb. .28 - —



Side View of Female
Malarial Mosquito
Anopheles Maculipennis
Gambiae
(Reproduced from photograph
of model, American Museum of
Natural History.)

SANTOBANE (MONSANTO DDT)

Santobane* is a uniform, free-flowing granular product that can be easily solubilized or milled. It is recognized as outstanding for liquid and aerosol formulations as well as for dusts.

Our supply of Santobane is not now equal to the demand. When raw materials become available in sufficient quantities, adequate production may be expected.

In the meantime, we invite your inquiries... MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 So. Second Street, St. Louis 4, Missouri

MONSANTO CHEMICALS
SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Reg. U. S. Pat. Off.

Oil, mustard, artif., USP, cns..lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, bbls.....gal. No prices
20°, bbls.....gal. No prices
30°, bbls.....gal. No prices
pure, bbls.....lb. No prices
Neroli, French, bots.....lb.150.00 -200.00
Haitian, bots.....lb.170.00 -200.00
Nutmeg, cns.....lb. 8.50 - 9.00
Ocotea cymbarum, dms.....lb. .50 - 1.00
Officica, liquid, tankcars....lb. .32½- —
dms., carlots.....lb. .34½- —
l.c.l.....lb. .36½- —
Oleo, extra, tcs., Chicago....lb. .27 - —
Olibanum, bots.....lb. 5.00 -10.50
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible, Calif., 3%-½% f.f.a., dms., extra, works..gal. No prices
imported, dms.....gal. 8.25 - 8.50
foots, dms., c.l.....lb. No prices
tankcars.....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
50% (40% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
25% (20% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.35 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.160.00 -185.00
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palm, Niger, dms.....lb. No prices
Palmarosa, cns.....lb. 8.50 - 9.35
Palmkernel, crude, bulk, c.i.f., N. Y..lb. No prices
Oil, paraffin, 500° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.S..gal. .06¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour, bbls, extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06½- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, imported, cns....lb.58.00 -98.00
Peanut, bleached, undeord., tankcars..lb. No prices
crude, tanks, works.....lb. .27½- —
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E.lb. No prices
hydrogenated, tankcars.....lb. No prices
Pennyroyal, dem., dms., cns.lb. 3.85 - 3.95
import. cns.....lb. 4.25 - 5.00
Peppermint, natural, dms...lb. 7.75 - 8.25
redist., USP, dms.....lb. 8.30 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.60 - 4.75
Pimento, berry, dms.....lb. 6.75 - 8.00
Leaf, cns.....lb. 3.25 - 3.65
Pine, destructively dist., dms., c.l., incl. wks., South..gal. .70 - —
l.c.l., same basis.....gal. .71 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pinesneedle, cns.....lb. 3.25 - 3.65
Pussy, petroleum, heavy, dms, gal. .18 - —
tankwagon.....gal. .18½- —
light, dms.....gal. .16½- —
tankwagon.....gal. .13½- —
Rapeseed, bulk.....lb. No prices
Red, single dist., ref. dms...lb. .29½- .30¼
tanks, dlvd., E. of Rockies. lb. .28½- —
double dist., ref. dms.....lb. .32¼- .33¼
Oil, rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.45 - 1.75
Rosin, 1st rectified, dms....gal. .60 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .73 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns.....lb. 2.25 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -21.00
Sardine, crude, tanks Pac. coast..lb. .28½- —
refined, alkali, dms., l.c.l..lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.95 - 2.30
Savin, cns.....lb. 6.25 -16.00
Savory, cns.....lb. 6.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb.27.00 - —
Soybean, clarified, dms., l.c.l. lb. .28½- —
tanks.....lb. .27½- —
crude, tankcars, mills.....lb. .26 - —
winterized, tankcars, Decatur..lb. No prices
refd., alkali, tanks.....lb. .2820- —
foots, acid, 92%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Oil, spearmint, dms.....lb.12.25 -15.00
Sperm, bleached, 38°, dms...lb. No prices
natural, 45°, dms.....lb. No prices
Spruce, cns., dms.....lb. 2.50 - 2.75
Sunflower, imported, refined, tanks..lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall, crude, dms., c.l., works, ton. No prices
l.c.l., works.....ton. No prices
tanks, works.....ton. No prices
refined, dms., c.l., works..lb. .07¾- .08
l.c.l., works.....lb. .08¼- .09¼
tanks, works.....lb. .07 - .07¼
Tallow, acidless, dms., c.l., Chicago..lb. .27 - —
Tansy, cns.....lb.12.00 - —
Tar, pine, crude, dms. incl., c.l., dlvd. E. cities..gal. .42 - —
l.c.l., works, South....gal. .40¾- —
tanks, dlvd. E. cities....gal. .34¼- —
rectified, USP, l.c.l. dms. incl., wks., South..gal. .60 - —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.65
White, cns.....lb. 2.85 - 3.75
technical, cns.....lb. .75 - .90
Tung, dms., c.l.....lb. .32½- —
l.c.l.....lb. .40½- .41
tankcars.....lb. .35½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .30 - .35
Vetiver, Bourbon, cns.....lb.24.00 -42.50
Haitian.....lb.29.50 -35.00
Whale, ref., natural, dms...lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -12.50
White, mineral, tech., 50-65 vis., dms., incl., c.l..gal. .40 - —
l.c.l.....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l.....gal. .44 - .48
USP, 80/90 vis., dms., dms. incl., c.l..gal. .43 - —
l.c.l.....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54½- —
l.c.l.....gal. .57½- .61½
140/155 vis., dms., dms. incl., c.l..gal. .56½- —
l.c.l.....gal. .59½- —
175/195 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l.....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .69 - —
l.c.l.....gal. .69 - .73
235/245 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l.....gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco..gal. smaller lots, same basis, gal. .45 - —
100 vis., non-ret. dms., 65 dms., San Francisco..gal. smaller lots, same basis, gal. .47 - .50
145 vis., non-ret. dms., 65 dms., San Francisco..gal. smaller lots, same basis gal. .54½- —
180 vis., non-ret. dms., 65 dms., San Francisco..gal. smaller lots, same basis gal. .57½- .61½
240 vis., non-ret. dms., 65 dms., San Francisco.gal. smaller lots, same basis gal. .64 - —
145 vis., non-ret. dms., 65 dms., San Francisco..gal. smaller lots, same basis gal. .61 - —
180 vis., non-ret. dms., 65 dms., San Francisco..gal. smaller lots, same basis gal. .68 - .69
240 vis., non-ret. dms., 65 dms., San Francisco.gal. smaller lots, same basis gal. .71½- .74½
Wintergreen, natural, North, cns..lb. 5.50 -17.25
South, cns.....lb. 2.65 - 2.90
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 5.00 - 6.75
Wormwood, cns.....lb.10.00 -12.25
Ylang-ylang, Bourbon, extra, bots..lb.18.00 -24.00
first, bots.....lb.14.00 -17.00
second, bots.....lb. 9.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin, loose, Chicago....lb. No prices
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 6 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 5.00 - —
Opium, USP, cns.....lb.21.00 -21.65
gran.....lb.23.70 -30.05
powd.....lb.23.70 -30.05
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .95 - .95
Orange, chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .24 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn.; Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 3c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin, toner.....lb. 1.15 - —
Molybdate, bbls.....lb. .27½- —
Orthonitroanilin toner, bbls., kgs., works..lb. .88 - 1.05
Persian, bbls.....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .18 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .18½- —
Mont., Wyo., Colo., N. Mex..lb. .18¼- —
other points.....lb. .17¾- —
smaller lots, Ala., etc...lb. .18½- —
Ariz., etc.....lb. .19 - —
Colo., Mont., N. M., Wyo..lb. .18¾- —
other points.....lb. .19¼- —
Orange flowers, bls.....lb. .40 - .60
Orange peel, bitter, Haitian, bls. lb. .13 - .15
Sweet, bls.....lb. .13½- .14
Oregano, Italian, bgs.....lb. .37 - .37½
Portuguese, bgs.....lb. .34½- .35¼
Orris root, Florentine, bls.....lb. .40 - .41
Verona, bls.....lb. .35 - .36
Portuguese, bls.....lb. .35 - .36
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .25 - .27

Newly Developed AROMATIC CHEMICALS

The new odor successes in the perfume and cosmetic field will be based on these.

AMUSKAL
A high carbon chain chemical giving surprising lift to perfume products to which it is added. It also enhances lasting qualities — very little goes a long way. Economical to use. Write for sample and prices.

CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets. (Russian Leather)

ALDEHYDE FK
Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

RESEDALIA
A chemical surprisingly true to the odor of Reseda Mignonette.

TUBEROL
Basis for Tuberose odors and perfumes for creams, lotions, etc.

VIOLETTONE
A Ketone basis with Patchouly note for Violet Odors.

ETHYLENE GLYCOL ACETAL OF PHENYL ACETALDEHYDE
Softener and homogenizer for all types of Floral Odors.

These are a few of our recently developed products. Write for complete list.

CYCLAMAL—An aldehyde replacing Hydroxy Citronellal. Five Times stronger. Economical to use.

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.

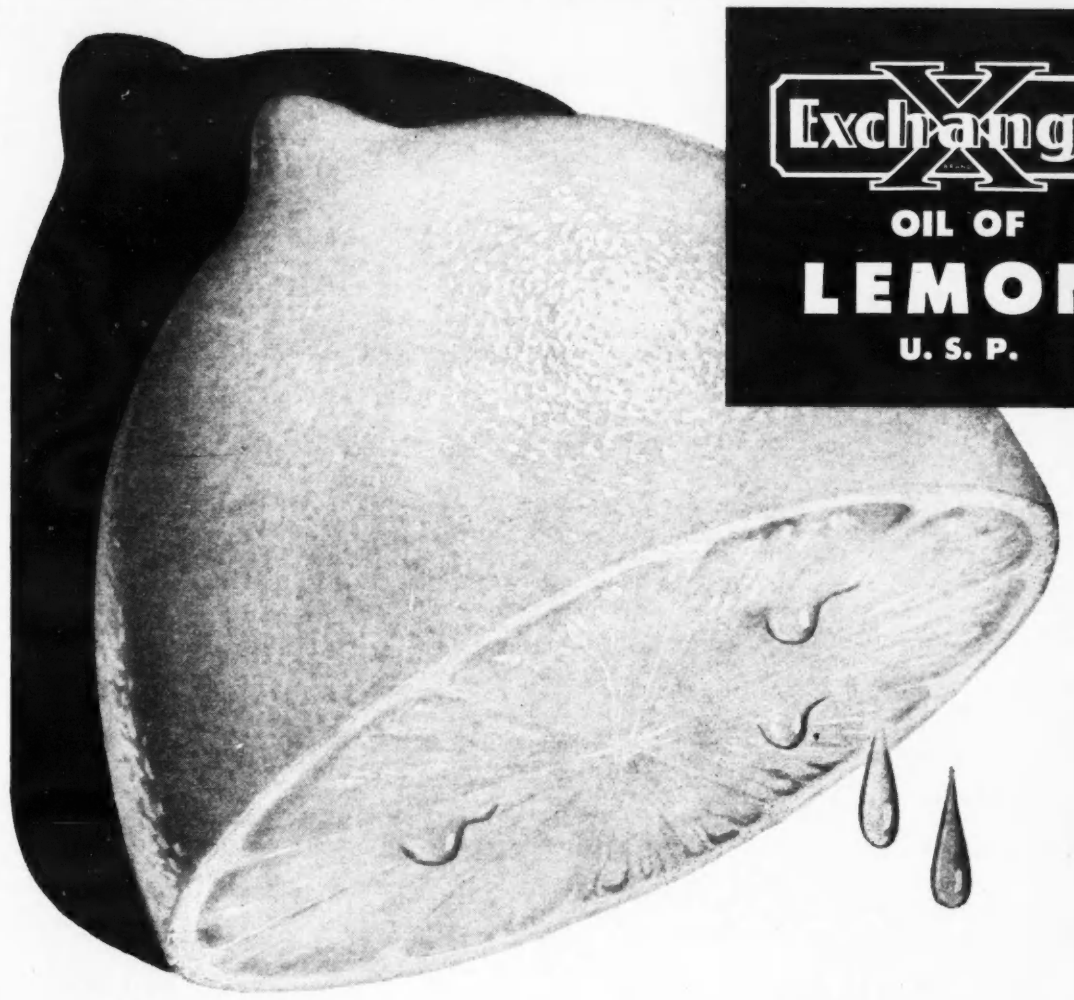
9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT ST., W., WINDSOR, ONT.

ESTABLISHED 1910 GD CO AROMATICS DIVISION

Orthocresol, 30.4° C., min., M.P., dms., c.l., works	lb.	.17½- .22
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobensene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobensene prices W. of Rockies 1c. per lb. higher.		
Orthonitroaniln, dms.	lb.	.43 - .45
Orthonitrochlorobensene, dms.	lb.	.15 - .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - .09
Orthophenetidin, dms.	lb.	.90 - —
Orthotoluidin, dms.	lb.	.18 - .19
Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram	3.90 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 - —
small lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	6.50 - 6.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika, Calif., sweet Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.33 - .35½
Portuguese, bgs.	lb.	.46 - .48
Spanish, bgs.	lb.	.48½- .50
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms., c.l., works, lb.		.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracresol, bbls., works	lb.	.41 - —
Paracymene, dms., c.l., works	lb.	.1595- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobensene, dms., c.l., works	lb.	.12½- —
l.c.l., same basis	lb.	.14 - —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.06 - .06¼
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
123-125 ASTM, refinery	lb.	.0520- .0645
125-127 ASTM, refinery	lb.	.0520- .0655
128-130 ASTM, refinery	lb.	.0560- .06¾
130-132 ASTM, refinery	lb.	.0585- .0665
133-135 ASTM, refinery	lb.	.0615- .0710
135-137 ASTM. refinery	lb.	.0640- .0729
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms. 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.13 - —
10-gal. dms., works	lb.	.16 - —
USP, cbys.	lb.	.40 - —
Paranitroaniliin, kgs., works	lb.	.41 - .43
Paranitrochlorobensene, kgs., wks.	lb.	.19 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.44 - —
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.36 - —
l.c.l., same basis	lb.	.37 - —
Passion flower herb, bls.	lb.	.30 - .33
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin, ampule, per 100,000 unit.		.38 - —
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works, lb.		.30 - .35
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3, gal.		.11 - —
l.c.l., dms., Group 3, gal.		.19 - —
tanks, Group 3	gal.	.07½- .07¾
28°-38° C. laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black, bgs.	lb.	.51 - .52
futures, bgs., Jan.	lb.	.48 - .50
Red, capsicum, Carolina longs, new crop, bgs., shipment point	lb.	.55 - .56
sports, old crop, bgs.	lb.	No stocks
Louisiana, longs, new crop, bgs., shipment point	lb.	.42 - .43
sports, bgs.	lb.	No stocks
Niger, bgs.	lb.	.45 - .46
Chillies, Haitian, bgs.	lb.	.56 - .57
Mexican, long	lb.	.50 - .51
White, bgs.	lb.	.60 - .61
Peppermint, dom., USP, bls.	lb.	1.20 - 1.25
imported, USP, bls.	lb.	1.25 - 1.30
Perchloroethylene, dms. c.l., Zone 1, works, frt. alld.	lb.	.09¼- —
Zone 2, same basis	lb.	.09¾- —
Zone 3, same basis	lb.	.10¼- —
Zone 4, same basis	lb.	.10¼- —
l.c.l., Zone 1, same basis	lb.	.09¾- —
Zone 2, same basis	lb.	.10¼- —
Zone 3, same basis	lb.	.10¾- —
Zone 4, same basis	lb.	.10¾- —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y. N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ariz., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.		
Peru balsam, dms.	lb.	1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.021 - —
golden topaz, bbls., c.l.	lb.	.023 - —
l.c.l.	lb.	.026 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, non-ref. dms., c.l.	lb.	.04¼- —
l.c.l.	lb.	.05¼- —
Petrolatum, USP, extra, amber, dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.05½- —
cream, c.l., dms	lb.	.05¾- —
l.c.l.	lb.	.07¾- —
white, lily, dms., c.l.	lb.	.06¼- —
l.c.l.	lb.	.08¼- —
snow, dms., c.l.	lb.	.06¾- —
l.c.l.	lb.	.09 - —
soft, dms., c.l.	lb.	.06¼- —
l.c.l.	lb.	.07¾- —
yellow, soft, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.05¾- —
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	1.28 - 1.30
Illinois	bbl.	1.60 - 1.62
Kentucky, Union County,	bbl.	1.72 - 1.77
Louisiana-Arkansas	bbl.	1.19 - 1.48
Montana	bbl.	1.30 - 1.79
Oklahoma-Kansas	bbl.	1.30 - 1.90
Pennsylvania, lower field,	bbl.	2.30 - 2.55
Upper field	bbl.	1.76 - 2.30
Texas East	bbl.	1.30 - 1.72
Gulf coast	bbl.	1.35 - 1.95
North, North-Central	bbl.	1.45 - 1.70
Panhandle	bbl.	1.25 - 1.70
West	bbl.	1.15 - 1.65
Wyoming	bbl.	.95 - 1.70
Ether, laboratory grade, 30°-60° C. 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
40°-75° C., 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
Petroleum, fuel oil, furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½- —
No. 3	gal.	.04¼- —
Bayonne, No. 2, tanks	gal.	.0440- —
California, heavy	bbl.	1.25 - 1.30
light	bbl.	1.35 - 1.40
diesel	gal.	.04¾- .05¼
Group 3, No. 1	gal.	.04¾- .04¾
No. 2, straw	gal.	.04¼- .04¾
No. 3	gal.	.04 - .04¼
Oklahoma, No. 1, p.w.	gal.	.04¾- .05½
No. 1, straw	gal.	.04¾- —
No. 2, straw	gal.	.04¼- .04¾
No. 3	gal.	.04 - .04¼
No. 6	bbl.	1.15 - 1.35
range	gal.	.04½- —
Pennsylvania, No 1	gal.	.06¾- .07
No. 2	gal.	.06¼- .06¾
No. 3	gal.	.06¼- .06¾
36-40 gravity	gal.	.06¼- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 - —
Baltimore, Md.	bbl.	1.72 - —
Boston, Mass.	bbl.	1.96½- —
Charleston, S. C.	bbl.	1.83 - —
Jacksonville, Fla.	bbl.	1.63 - 1.83
New York, N. Y.	bbl.	1.92 - 2.02
Norfolk, Va.	bbl.	1.88 - 1.98
Philadelphia, Pa.	bbl.	1.92 - 2.02
Portland, Me.	bbl.	2.01 - 2.06
Providence, R. I.	bbl.	1.98 - 2.04
Savannah, Ga.	bbl.	1.88 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11 - —
Seattle, Wash.	gal.	.12 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12½- —
Petroleum, lacquer, diluent, Group 3, benzol type, tanks	gal.	.08¾- .09¾
toluol type, tanks	gal.	.09¾- .09¾
San Francisco	gal.	.11¾- —
Portland, Ore.	gal.	.12 - —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks	gal.	.11½- —
205-290 b.r., tanks	gal.	.11½- —
244-362 b.d., tanks	gal.	.13½- —
307-360 b.r., tanks	gal.	.11 - —
312-402 b.r., tanks	gal.	.10 - —
362-456 b.r., tanks	gal.	.10 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.11 - —
Group 3, tanks, refinery	gal.	.07¾- —
Gulf coast, tanks	gal.	.07¾- —
tankwagon, Baltimore	gal.	.14½- —
Boston	gal.	.13 - —
Buffalo	gal.	.13½- —
Camden, N. J.	gal.	.11½- —
Chicago	gal.	.1460- —
Detroit	gal.	.1710- —
Kansas City, Mo.	gal.	.143 - —
Lancaster, Pa.	gal.	.13½- —
Newark	gal.	.12 - —
New York	gal.	.12 - —
Philadelphia	gal.	.13 - —
Pittsburgh	gal.	.13½- —
Providence	gal.	.15 - —
Rochester	gal.	.13½- —
St. Louis	gal.	.140 - —
Syracuse	gal.	.15½- —
Washington, D. C.	gal.	.14½- —
Wilmington, Del.	gal.	.12 - —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13 - —
East coast, N. J., N. Y., tanks, refinery	gal.	.11 - —



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LEMON
U. S. P.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Petroleum, naphtha, cleaners, Group 3, tanks, refinery. gal. .08½- —
tankwagon, Newark....gal. .12½- —
Chicago .....gal. .14½- —
Detroit .....gal. .15½- —
New York.....gal. .13 - —
Philadelphia .....gal. .126 - —
St. Louis.....gal. .1470- —
high-solvency, No. 3, tanks, Paulsboro, N. J..gal. .16 - .22½
No. 30, tanks, same basis. gal. .17 - .23
No. 40, tanks, same basis. gal. .17½- .23
No. A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .24 Nom.
No. B-90, tanks, all shipping points..gal. .24½- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —
V.M.&P., at refinery, California, 46.5, 264 l.b.p., 380 e.p., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½- —
Portland, Ore., Seattle, Wash..gal. .13 - —
64-77, 199 l.b.p., 310 e.p., Los Angeles.....gal. .11 - —
San Francisco....gal. .11½- —
Portland, Seattle.gal. .12 - —
E. Coast, N. J., N. Y., tanks, refinery..gal. .13 - —
Gulf Coast (divd. New Orleans), tanks..gal. .09¾- —
tankwagon, Boston.....gal. .14 - —
Chicago .....gal. .149 - —
Detroit .....gal. .163 - —
Milwaukee .....gal. .165 - —
Minneapolis .....gal. .164 - —

Petroleum naphtha, VM&P, tankwagon, Newark.....gal. .13½- —
New York.....gal. .13 - —
Philadelphia .....gal. .13½- —
Pittsburgh .....gal. .14½- —
St. Louis.....gal. .159 - —
Solvent, rubber, at refinery, California, San Francisco tanks..gal. .11½- —
East Coast, N. J., N. Y., tanks..gal. .12 - —
Group 3, tanks.....gal. .08½- —
Stoddard (C.S. 3-53), at refinery:—
California (San Francisco). tanks..gal. .12 - —
East Coast, N. J., N. Y.,
Group 3, tanks.....gal. .07½- —
Pennsylvania, western, tanks..gal. .07¾- .08
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .14½- —
Detroit .....gal. .16½- —
Milwaukee .....gal. .15½- —
Minneapolis .....gal. .1540- —
Newark .....gal. .13½- —
New York.....gal. .12 - —
Philadelphia .....gal. .11½- —
Pittsburgh .....gal. .13 - —
St. Louis.....gal. .14½- —
Syracuse .....gal. .15½- —
Sulphonates, 65% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
Phenobarbital, dms., 100 lbs..lb. 3.50 - —

Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald. lb. .11 - .12½
l.c.l., same basis.....lb. .11¾- .13
tanks, same basis.....lb. .10 - .10½
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .11 - .11¼
l.c.l., same basis.....lb. .11¾- .13
tanks, same basis.....lb. .10 - .10½
USP, dms., c.l., same basis.lb. .11¼- .13
l.c.l., same basis.....lb. .12 - .13½
tanks, same basis.....lb. .10¼- .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots .....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots .....lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots or more, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots..lb. 2.35 - 2.50
pure, bots. .....lb. 4.00 - 5.15
Phenylethyl acetate, dms.....lb. 2.15 - 3.00
Phenylethylphenyl acetate, bots. lb. 5.35 - 7.50
Phenylhydrazin base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms. .....lb.12.00 -12.65
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-68% b.p.l., bulk, car at mine, c.l..... long ton. 2.60 - —
70%-68%, same basis.. long ton. 3.00 - —

Phosphate rock, Fla., land pebble, ungrd., run-of-pile, washed, dried, 72%-70%, b.p.l., same basis..long ton. 3.60 - —
75%-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 80% P_2O_5 minimum.. short ton. 3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis.. long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.35 - —
31% P_2O_5, same basis..... short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l. .....lb. .12½- .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP. bots., vials..oz. 5.25 - 6.50
Nitrate, bots., vials.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .25 - .25½
Pinetar, retort, dms., incl., c.l., divd. E..gal. .43 - —
l.c.l., works, dms., incl.gal. .40¾- —
l.c.l., whse., N.Y.C., dms. incl..gal. .49 - —
tanks, divd. E. .....gal. .34½- —
Pinkroot, bls.....lb. 1.00 - 1.05
Piperazine hexahydrate, bots..lb.16.00 -17.00
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.20.90 - —
l.c.l., works .....ton.24.20 - —
Cottonseed, dms., works....lb. .10½- .10¾
Hardwood, paper bgs., works.. lb. .04 - —
Linseed, dms.....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .10¼- .10½
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb.12.25 -12.50
Pokeroot, bls. .....lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .78
Poppy flowers, bls. .....lb. .60 - .70
Seed, Argentine, bgs.....lb. .19¼- .20
Danish, bgs.....lb. .21½- .22
Dutch .....lb. .24 - .24½
Swedish, bgs. .....lb. .21 - .21½
Turkish, bgs. .....lb. .21 - .21½
Potash abietate .....lb. .08 - —
Acetate, USP, dms.....lb. .28 - .33
Arsenite, USP, solut., cbys., djns..lb. No prices
Bicarbonate, USP., cryst., gran., dms..lb. .20 - —
powd., dms. .....lb. .22 - —
Bichromate, bgs., c.l., works. lb. .10¾- —
l.c.l., works.....lb. .10¾- .11½
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, cryst., gran., 500-lb. bbls., dms..lb. .25 - .30
Carbonate, calcined, bbls., c.l., works...lb. .07½- —
l.c.l., same basis.....lb. .07½- —
hydrated, 83-85%, bbls., c.l., works..lb. .05¾- —
dms., l.c.l., same basis..lb. .06 - —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works.. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works..... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.93½- —
regular, flake, 85-92%, dms., c.l., works..lb. .07½- —
l.c.l., works.....lb. .07¾- .08
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .0337½-
l.c.l., same basis.....lb. .03625- .04
tanks, same basis.....lb. .03½- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .26
Chlorate, cryst., kgs., c.l., works. lb. .11 - .11½
l.c.l., works .....lb. .119 - .130
powd., dms., kgs., c.l., works. lb. .0975- —
l.c.l., works .....lb. .119 - .130
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 99% bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms..lb. .32½- .33½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls. .....lb. .34 - .40
Glycerophosphate, 75% solution, cbys..lb. 2.30 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns. .....lb. .72 - .75
Iodide, dms.....lb. 1.60 - —

IT'S TRUE...
IF MOUNT EVEREST, WORLD'S HIGHEST PEAK, WERE SUNK IN THE DEEPEST PART OF THE OCEAN (THE MINDANAO TRENCH OFF THE PHILIPPINES) ITS TOP WOULD BE MORE THAN 6000 FEET BELOW SEA LEVEL!
IT'S TRUE OF ESSO SOLVENTS
IN THE LAST PRE-WAR YEAR OF FULL U.S. AUTO PRODUCTION — OVER HALF OF ALL CARS PRODUCED WERE FINISHED WITH COATINGS WHICH UTILIZED AN ESSO SOLVENT AS A DILUENT!
Esso
PETROLEUM SOLVENTS
SOLD IN THE STATES INDICATED

Thousands of industrial solvents users have learned to look to Esso representatives for honest, friendly advice and service. When you order next, remember the Esso name. For constant uniformity and suitability . . . for downright dependability . . . you can't do better than Esso Petroleum Solvents.

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Elizabeth, N. J.—Baltimore, Md.—Richmond, Va.—Charleston, West Va.—Charlotte, N. C.—Columbia, S. C.—New Orleans, La.—Little Rock, Ark.—Memphis, Tenn.

STANDARD OIL COMPANY OF PENNSYLVANIA
Philadelphia, Pa.

COLONIAL BEACON OIL COMPANY
Boston, Mass.—New York, N. Y.

From factory to bottling plants all over the country the purity of Coca-Cola REG U.S. PAT. OFF. syrup is guarded every minute

EVERY DRUM IS MADE OF STAINLESS STEEL

EVERY DRUM IS STERILIZED WITH STEAM BEFORE USE

EVERY DRUM IS SEALED WITH TRI-SURE CLOSURES

From Savannah to Seattle—from Albany to Albuquerque—millions of people take time-out for "the pause that refreshes with ice-cold Coca-Cola." And in doing so they enjoy one of the world's purest beverages — a beverage that is guarded every minute of its long journey to bottling plants all over the country. For Coca-Cola has one of the most valuable reputations in industry. Every possible safeguard is taken to protect it.

Special 55-gallon Stainless Steel Drums — costing ten times as much as ordinary drums—carry the syrup from the factory. To ensure a perfectly sanitary container, the drums are cleansed with steam before they are filled. And to prevent any possibility of contamination in transit, every Tri-Sure Stainless Steel Flange is capped with Tri-Sure Seals.

Coca-Cola started to use Tri-Sure sealed drums ten years ago—with a stock of 1000 drums. Today tens of thousands of these drums are in use. Many of them, in congested areas, make eight or ten trips a month. Yet—despite the length of service, the vast number of drums in use, and the frequent trips taken by many of the drums—not a single gallon of Coca-Cola syrup has ever been spoiled or lost by seepage, evaporation, or contamination.

The experience of Coca-Cola is eloquent proof that any product—and the reputation behind it—is *safe* in drums equipped with Tri-Sure Closures. It is further evidence that the finer the product, and the greater the investment in it, the more it *pays* to give every drum the protection of Tri-Sure Closures.

Tri-Sure
Reg. U.S. Pat. Off.

CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Potash, manure salt, 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate,[6] dom., 60-62-63% K_2O, bulk, ex vessel ports.....unit-ton. .53½- —
granular, 50-52% K_2O, ex vessel U. S. ports..unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .27 - .30
tech, fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .20¾- .21
USP, dms., works.....lb. .22½- .23
Persulphate, dms., c.l. works, lb .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l. works. ton.200.00- —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works... 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be. ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works.. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —

Potash silicate, 40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate,[6] NF, gran.....lb. .14 - .20
powd., bbls.....lb. .18 - .21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports..ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Triocyanate (see Potash sulphocyanide).
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 5.00 - —
Propane, industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .60 - .65

Pumice, grd., fine, bgs., ton lots. lb. .02¾- —
smaller lots .....lb. .03¾- .04
coarse, 0, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots .....lb. .03¾- .04½
Chi., ton lots .....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. .....lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 3.15 - —
linseed oil, raw, dms..100 lbs. 3.60 - —
refined, dms. .....100 lbs. 3.80 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.80
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 3.65 - —
odorless base, dms., works, gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .38¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 -1.60
refd., 2°, ret. dms., same basis. lb. .35 - .35½
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 6.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -15.00
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton.11.50 - —
Pyrophylite in paper bags., $1.50 per ton extra.

Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract, solid, 68% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
Quebracho extract, clarified, dissolved, 35% tannin, bbls., works..lb. .04575- .0585
tanks, works .....lb. .04075- —
ground, 70% tannin, bgs., c.l., lb. .060 - —
l.c.l. .....lb. .0615- —
Quebracho extract prices based on $12 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .18 - —
solid, bxs. .....lb. .28 - —
Quicksilver, flasks (76 lbs. net) flask.62.00 -90.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.es. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .32 - .36

R

R salt, dry, bbls.....lb. .60 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 2.20 - 2.30
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.0c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .35 - .38
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09 - .09¼
80-85%, bgs., same basis..lb. .07½- .07¾
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .09¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. 1.05 - —
Lithol toner, alizarin, lake, bbls., works..lb. .70 - —
Pink, bbls., works.....lb. .20 - .32
Rose lake, bbls., works....lb. .25 - .32
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .98 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .97 - —
concent., alizarin lake, kgs., works..lb. .80 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —

instinctive guidance...

SINCE EARLY TIMES, the raven has been celebrated in parable and legend by men of the sea for its remarkable instinctive faculty for flying directly toward the nearest land. Similarly, an instinct for direction often serves in the development of industrial enterprise, guiding with certainty and confidence toward the achievement of set goals. Pioneering in the development of the electro-chemical industry in America, Niagara products and services have been built upon a sure sense of the need by industry for basic electro-chemical products. Niagara Alkali Company has continued to advance the means and methods of producing these basic chemicals for industry to the highest quality standards. That is why Niagara can be relied upon to deliver consistently high-quality products at all times. Niagara Alkali Company, 60 East 42nd Street, New York 17, N. Y.

THE PIONEER CREED
Always New, Always Better

Since the turn of the century Niagara has pioneered basic electro-chemical development in this country. This experience is reflected not only in Niagara product quality but also in the efficiency of the service Niagara extends to customers seeking to mark new trails to product improvement.

AN ESSENTIAL PART OF AMERICA'S GREAT CHEMICAL ENTERPRISE

Niagara Alkali Company

CAUSTIC POTASH • CAUSTIC SODA
CARBONATE OF POTASH
LIQUID CHLORINE • NIAGATHAL
PARADICHLOROBENZENE

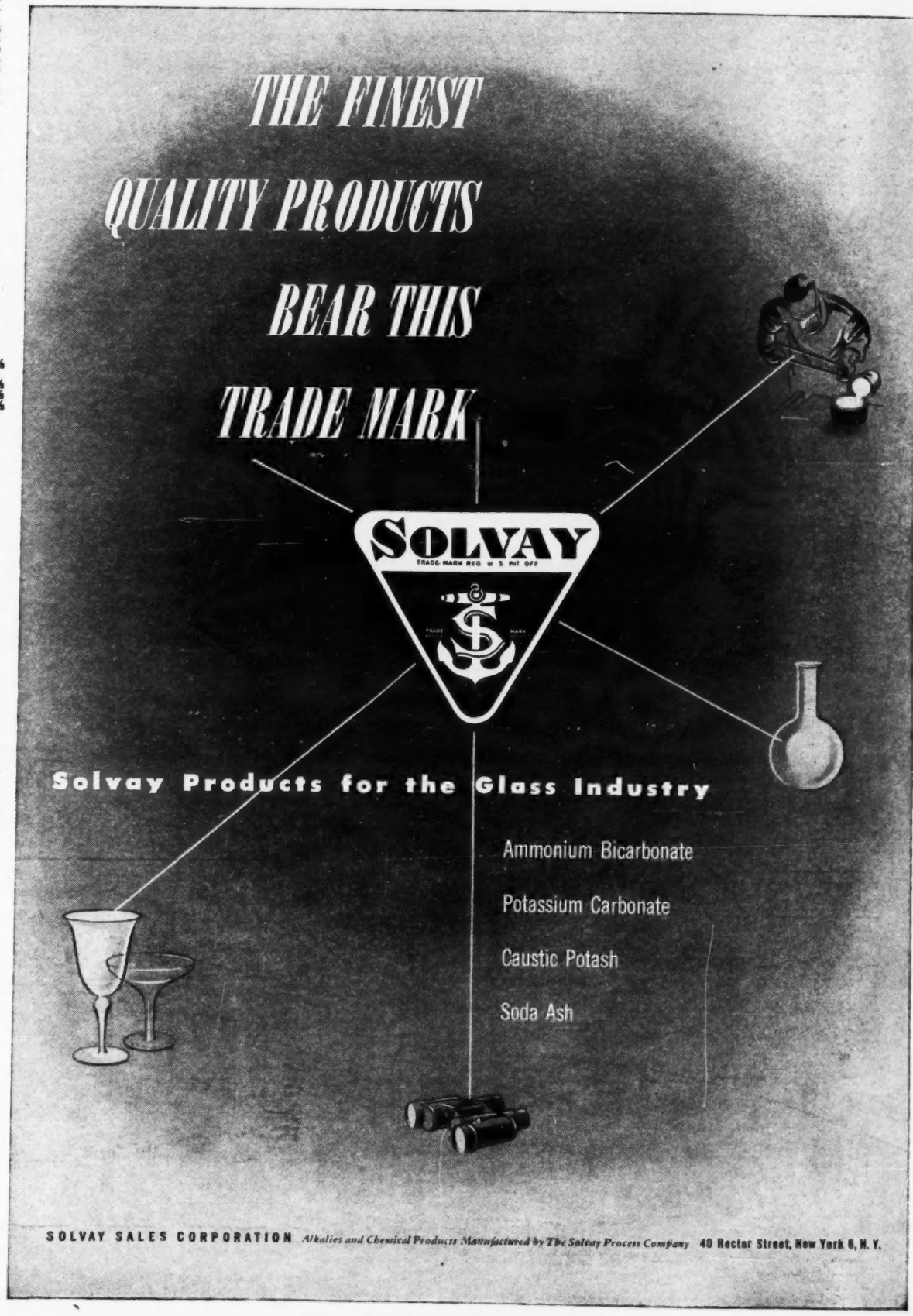
Red, purple lake, kgs.....lb. 1.60 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04½- .07½
Toluidin toner, alizarin lake, kgs., works..lb. 1.25 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 15%, bgs., works...lb. .02½- —
20%, bgs., works.....lb. .03 - —
25%, bgs., works.....lb. .03½- —
30%, bgs., works.....lb. .03½- —
35%, bgs., works.....lb. .03¾- —
40%, bgs., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .20¼- .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .55 - —
USP, cryst., dms., frt. alld..lb. 2.00 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.40 - 1.45
powd., bbls.....lb. 1.45 - 1.50
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .24½- —
smaller lots.....lb. .25 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .06½- .09
Spanish, bls.....lb. .12½- .13
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin) dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works.100 lbs. 6.00 - —
G, H, I, dms., c.l., works, 100 lbs. 7.50 - 8.25
K, dms., c.l., works..100 lbs. 7.50 - 8.25
M, dms., c.l., works..100 lbs. 7.55 - 8.30
N, dms., c.l., works..100 lbs. 7.60 - 8.35
WG, dms., c.l., works.100 lbs. 7.65 - 8.40
WW, X, dms., c.l., works.... 100 lbs. 7.70 - 8.20
Rotenone, bbls., works.....lb.12.05 -14.50
extract, liq., dms., works.... per unit. 1.15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .35 - .50
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.10 - 1.15
Sage, Cyprus, good, bls.....lb. .24½- .25
futures.....lb. .19 - .19½
Dalmatian, bls., futures.....lb. .37 - .38
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Syrian, bls.....lb. .25½- .26
Sago flour, bgs.....lb. .10 - .12
Salicin, bots., 5 lbs.....lb. No stocks.
cns., 25 lbs.....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .96
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.00 - —
l.c.l., bgs.....ton.20.00 - —
vacuum, common, fine, bgs., c.l..ton.16.00 - —
l.c.l., ...ton.23.40 - —
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 2.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .45 - .47
Sassafras bark, crd., bls.....lb. .45 - .50
select, bls.....lb. .60 - .75
Savory, Spanish, bls.....lb. .21 - .21½
Saw palmetto berries, bgs....lb. .24 - .25
Scammony resin, lump, cns...lb. 1.50 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .10 - .13½
Schaeffer's salt, bgs.....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .28¼- —
smaller lots.....lb. .28¾- —
Selenium, pwd., cns., 10-lb. lots.. lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.65 - 2.75
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls.....lb. .22 - .27
3, bls.....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston.....lb. .72 - —
Chicago.....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .78½- —
Boston.....lb. .78½- —
Chicago.....lb. .80 - —
Pacific coast.....lb. .82 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ½c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
Superfine, 100 bgs., Boston, N.Y. lb. .72 - .73
Chicago.....lb. .72½- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .87 - .88
Chicago.....lb. .87½- .89½
Pacific coast.....lb. .70 - .71
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l. works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.18.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works.. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .19½- .27
Silver bullion.....oz. .83¾- —
Cyanide, cns., 100 ozs.....oz. .74@6- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .56¼- —
1,000-oz. lots.....oz. .58¼- —
500-oz. lots.....oz. .58¾- —
single ounces.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .32@ - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .32@ - —
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .85 - .90
Western, bls.....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.13.00 -16.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .65 - .84
Blue, cns.....lb. .97 - .99½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .32 - .33
cut, dom., bls., bbls.....lb. .32 - .33
imp., bbls.....lb. No stocks
powd., bbls.....lb. .30 - .31
Soda acetate, anhyd., dms., divd. lb. .08½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.65
Alkylbensene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd.....lb. .16 - .16½
Arsenate, dms., works.....lb. No prices
Arsenite, grey, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10½- .11½
Soda arsenite, gray ¾c. higher in Cal., 2c. higher in Houston, Tex., and Palo Alto, Calif.

Soda ash, dense, 58%, bgs., c.l.. 100 lbs. 1.28 - —
l.c.l., divd., zone 1.... 100 lbs. 2.63 - —
2 .....100 lbs. 2.78 - —
3 .....100 lbs. 3.13 - —
4 .....100 lbs. 3.73 - —
bbls., c.l., works, zone. 100 lbs. 1.68 - —
l.c.l., zone 1.....100 lbs. 3.03 - —
2 .....100 lbs. 3.18 - —
3 .....100 lbs. 3.53 - —
4 .....100 lbs. 4.13 - —
bulk, c.l., works...100 lbs. 1.06 - —
extra light, 58%, bgs., c.l., 100 lbs. — - —
l.c.l., divd., zone 1..... 100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
bbls., c.l., works...100 lbs. — - —
l.c.l., divd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bulk, c.l., works...100 lbs. — - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.20 - —
l.c.l., divd., Zone 1..... 100 lbs. 2.55 - —
2 .....100 lbs. 2.70 - —
3 .....100 lbs. 3.05 - —
4 .....100 lbs. 3.65 - —
bbls., c.l., works..100 lbs. 1.60 - —


THE FINEST
QUALITY PRODUCTS
BEAR THIS
TRADE MARK
SOLVAY
TRADE MARK REG. U.S. PAT. OFF.
Solvay Products for the Glass Industry
Ammonium Bicarbonate
Potassium Carbonate
Caustic Potash
Soda Ash
SOLVAY SALES CORPORATION Alkalies and Chemical Products Manufactured by The Solvay Process Company 40 Rector Street, New York 6, N. Y.

Soda ash, light, 58%, bbls., l.c.l., dlvd., zone 1..100 lbs. 2.95 - —
2 .....100 lbs. 3.10 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 4.05 - —
bulk, c.l.....100 lbs. 1.60 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 96° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.57½- 2.59
Bichromate, bgs., c.l., works.. lb. .08¼- —
l.c.l., works.....lb. .08¾- .08¾
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14

Soda bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
Bisulphite, solut., 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .28 - .29
Cacodylate, bots., dms.....lb. 8.00 -10.50
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. 4.25 - —
2, dlvd.....100 lbs. 4.40 - —
3, dlvd.....100 lbs. 4.75 - —
4, dlvd.....100 lbs. 5.35 - —
liquid, 50%, buyer's tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
70%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., works.. 100 lbs. 2.50 - 2.75
l.c.l., zone 1, dlvd..100 lbs. 3.85 - —
2, dlvd..... 100 lbs. 4.00 - —
3, dlvd.....100 lbs. 4.35 - —
4, dlvd.....100 lbs. 4.95 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Caustic soda zones are same as soda ash.

Soda chlorate, cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .06½
Chloride (see Salt).
Chromate, bgs., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09¾- .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .30
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., works, dlvd..lb. .09½- .10½
anhydrous, dms., works....lb. .11½- .13
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works .....lb. .0680- —
Glutamate, monobasic, kgs..lb. 1.46 - 1.48
Glycerophosphate, N.F., cryst., bbls..lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .26
Hypophosphite, NF, ens.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..... 100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —

Soda hyposulphite, pea, cryst., bgs., c.l., works..100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP- cryst., bbls. .....lb. .10 - .12
Iodide, dms., jars.....lb. 2.72 - —
Mandelate, dms. .....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0485- —
l.c.l., N. Y. or Chi....lb. .046 - —
Metanilate, bgs. .....lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works, frt. equald..100 lbs. 3.40 - —
l.c.l., same basis..100 lbs. 4.50 - —
gran., bbls., c.l., works, frt. equald..100 lbs. 3.40 - —
l.c.l., dlvd. .....100 lbs. 4.40 - 4.55
Methylate, bots., works....lb. 1.00 - —
cns., works .....lb. .55 - .60
dms., works .....lb. .45 - .50
Molybdate, anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.00 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .46 - —
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.35.50 - —
bulk, c.l., works.....ton.32.00 - —
retd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.35.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West, coast, ports.100 lbs. 8.00 - 8.05
l.c.l., dlvd. .....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., bbls., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 5.45 - 5.60
flake, l.bls., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd. .....100 lbs. 4.30 - 4.65
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works .....lb. .15¼- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works. 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.40
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.85
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.90 - —
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. 20c. higher.
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¾- —
Pyrophosphate, acid, bgs., c.l., works..lb. .11¼- —
ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —
Ricinoleate, tech., bbls.....lb. No stocks
Sal, bgs., c.l.....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., dlvd. .....100 lbs. 5.15 - 5.50
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .95 - 1.15
l.c.l., works.....100 lbs. 1.20 - 1.30
tanks, works.....ton.15.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - 2.00
tanks, works.....ton.27.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¾- .07
l.c.l., works.....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., works. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
solid, bbls., c.l., works.100 lbs. 3.65 - —
l.c.l., dlvd.....100 lbs. 4.15 - 4.50
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works. . 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 88%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., same basis.....lb. .09 - —
Sulphohydrate, flake, 70-72%, dms., c.l...lb. .04½- —
l.c.l., works.....lb. .05 - —
liquid, 38%, tanks, basis 100%, works..lb. .06¾- —
l.c.l., works.....lb. .05 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17¼- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07¼- —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., bgs.....lb. 1.35 - —

Chlorine, Sulfur or Thionyl Group— ...all from Thionyl Chloride

If you are interested in introducing chlorine, sulfur alone or sulfur in combination with oxygen, into organic or inorganic compounds, you should investigate the use of Hooker Thionyl Chloride.

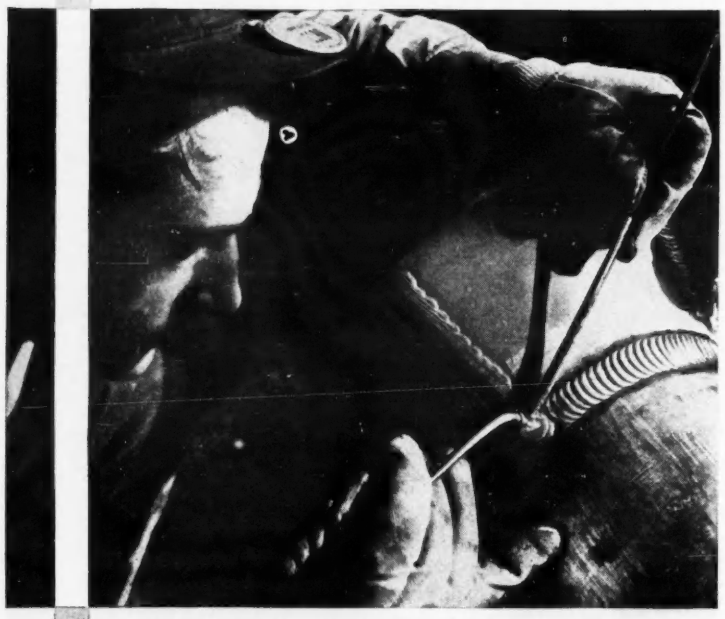
In this one inorganic chemical, these three groups are readily available. Sulfur dioxide and hydrogen chloride, the gaseous byproducts of its reaction, are easily removed. Excess thionyl chloride may be recovered by distillation.

High purity of Hooker Thionyl Chloride has stimulated use of this chemical in organic synthesis. Freedom from side reactions and good yields of a purer product are concomitants of this high purity.

Thionyl Chloride is a clear, pale yellow to red liquid with a sharp irritating odor. It fumes when exposed to moist air and requires some special care in handling and storage. It is available in technical and refined grades. Principal properties are given below:

Formula	$SOCl_2$
Molecular Weight	119.0
Specific Gravity, 15.5°/15.5°C.	1.644
Boiling Range	
Tech	72° to 79°C.
Refined	75° to 78°C.
Pour Point	Below −75°C.
Flash Point	None
Fire Point	None

Technical Data Sheet No. 718 gives more complete physical and chemical data and analysis as well as suggestions for handling. Bulletin No. 328A, "Hooker Chlorinating Agents," is also available to those interested. Your name and the bulletin numbers on your letterhead will bring you this descriptive literature.



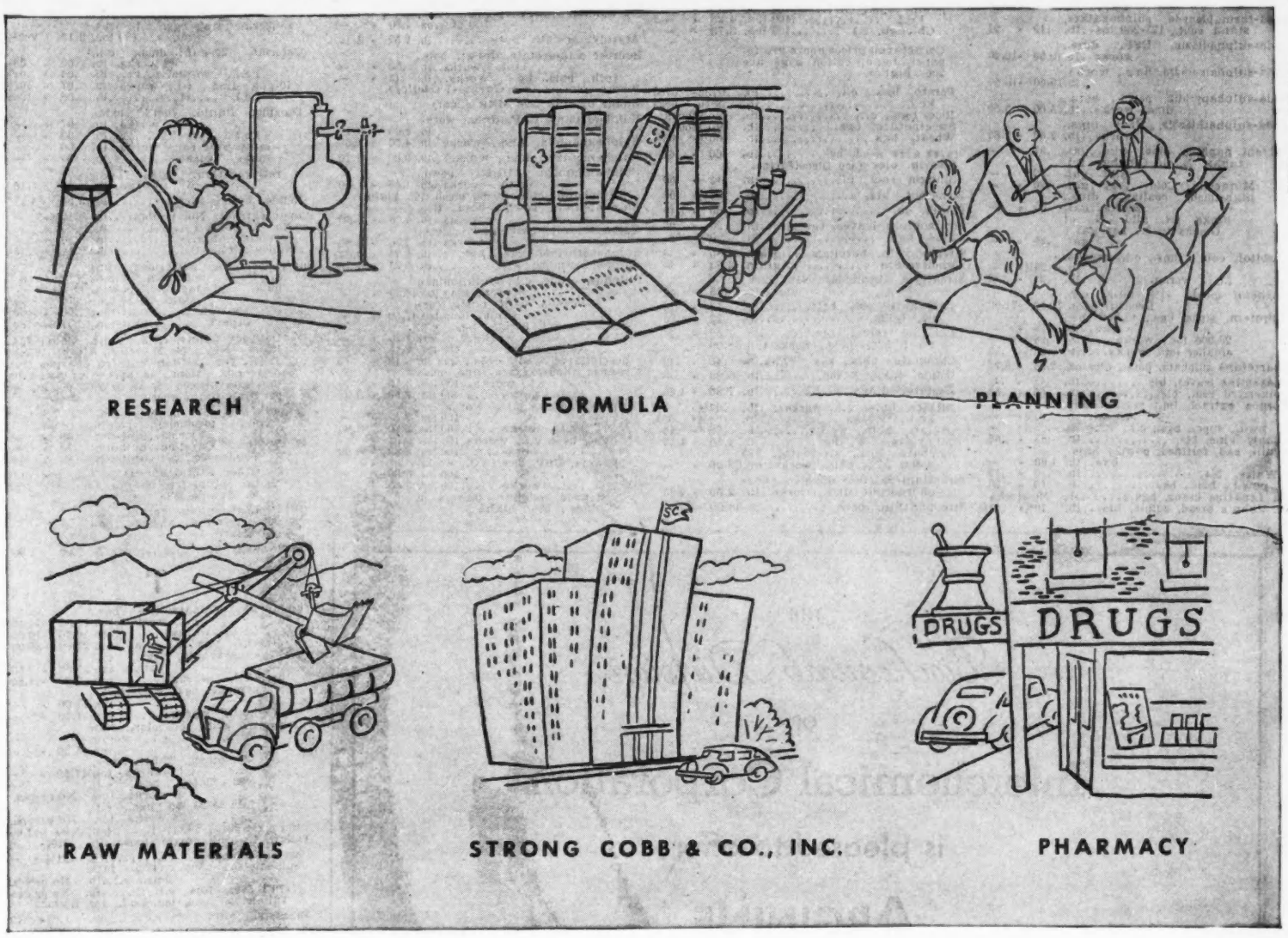
"Artists in Lead Burning" design and fashion the lead equipment required for processing and handling many of the Hooker Chemicals.

HOOKER ELECTROCHEMICAL COMPANY

1 Forty-Seventh St., Niagara Falls, N. Y.
New York, N. Y. • Wilmington, Calif. • Tacoma, Wash.

HOOKER CHEMICALS

Caustic Soda Paradichlorbenzene Muriatic Acid Chlorine Sodium Sulfide Sodium Sulfhydrate



EVOLUTION OF A TABLET

Strong Cobb & Company starts its work on the evolution of a tablet at the planning stage. When you talk over your production problems with our technical sales director he will introduce you to our pharmaceutical staff. After careful study of your private formulae they will offer suggestions concerning potencies, choice of vehicles, excipients, disintegrating materials, etc.

Of course we don't limit our manufacture to tablets. In fact, for the past 112 years we have made innumerable drugs in every form.

Whether you are considering immediate or future production, we will be pleased to aid you in your planning and the study of your manufacturing problems.

Strong Cobb & Company, Inc.

CLEVELAND 4, OHIO

ARMY E NAVY

SUBSIDIARY OF STANDARD BRANDS INCORPORATED

MANUFACTURING CHEMISTS SINCE 1833

Soda-ammonia phosphate, bbls., works, frt. equald..lb. .23 - —
Soda - cinchophen, bots., dms., works..lb. 5.00 - 5.10
Soda-formaldesyde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. .lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works..gal. .30 - —
tanks, frt. alld. E. of Omaha to 5c. per gal..gal. .25 - —
Sorbitol, com'l, dms., c.l., works. lb. .23½- —
l.c.l., works.....lb. .24 - .33
Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.70.50 -71.00
Protein, alpha, bgs., 40,000 lbs., works..lb. .26 - —
20,000 lbs., works....lb. .28½- —
smaller lots, works....lb. .28½- .33
Sparteine sulphate, bots., cns.es. 2.95 - 3.25
Spearmint leaves, bls.....lb. .42 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works..lb. .61¾- —
pwd., super, bgs., c.l., wks.lb. .66¼- —
Squaw vine, bls.....lb. .55 - .95
Squill, red, fortified, powd., bbls., bxs..lb. 1.00 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11½
Starch, corn, pearl, bgs., c.l.. 100 lbs. 4.02 - —
l.c.l. .....100 lbs. 4.17 - —
Chicago, c.l.....100 lbs. 3.62 - —
powd., bgs., c.l.....100 lbs. 4.13 - —
l.c.l. .....100 lbs. 4.28 - —
Chicago, c.l. .....100 lbs. 3.73 - —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.
Potato, bgs., c.l.....lb. .0735- .0760
l.c.l. .....lb. .0810- .0825
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, bgs.....lb. .06½- .80¾
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls. .....lb. .07½- .08
Storax, cs. .....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .20 - .25
Seed, bgs. .....lb. .20 - .21
Streptomycin, hospitals.....gram. 4.80 - —
wholesalers .....gram. 3.84 - —
Strontium bromide, NF, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
99%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.56.00 - —
Chromate, bbls., kgs., Phila.lb. .40 - .42
Iodide, jars, 25 lbs.....lb. 3.20 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works.ton.53.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.65
Strophanthin, bots. .....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb 2.25 - 2.80
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l. ,works..lb. .50 - —
tech., bbls., l.c.l., works...lb. .45 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 80-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.15 - —
precipitated, USP, bbls., kgs.lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.90
heavy, bgs., c.l., works..... 100 lbs. 2.85 - —
l.c.l., works.....100 lbs. 3.20 - 3.60
light, bgs., c.l., works.100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.30 - 3.60
flowers, USP, bgs., c.l., works. 100 lbs. 3.30 - —
l.c.l., works.....100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 35c. higher.
Sulphur, refined, rock, bbls., c.l., works..100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.80 - —
roll, bbls., c.l., works.100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.00 - 3.40
rubbermakers', bgs., c.l., wks. 100 lbs. 2.15 - 2.60
Chloride, 25-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works..lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .05 - —
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13½
Superphosphate, pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto..unit-ton. .70 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 83½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 16, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 48% or more, a.p.a., bulk, producing points, Florida..unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. .90 - 1.00

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Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton.11.00 -18.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton.15.50 - —
325 mesh, 93-94%, bgs., c.l., works..ton.17.50 - —
98 - 99.5%, bgs., c.l., works..ton. No prices.
99.85-99.95% bgs., c.l., works..ton. No prices.
imp., Canada, bxs., c.l.....ton.35.00 -44.50
Tallow, inedible, extra, loose...lb. .21¼- —
special, loose.....lb. .21½- —
sulphonated 50% (42% fat), dms., c.l..lb. No prices
(70% fat), dms., c.l.....lb. No prices
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .12¼- .12¾
Tankage, animal, feed grade, 9-11% ammon., bulk. unit-ton. 9.00 - —
Chicago .....unit-ton. 8.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks
Tapioca flour, bgs.....lb. .07¾- .11¾
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works...gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices
powd., c.l., same basis.long ton. No prices
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .49 - .53
Terpin hydrate, com'l, bbls., c.l., lb .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .12 - —
pure, dms.....lb. .36 - .59
extra, dms.....lb. .63 - .76
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .68 - 1.01
prime, cns., dms.....lb. .62 - .83
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .09½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.17.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots .....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kils.160.00- —
Thiocarbanilide, dms. .....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms. .....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme, French, bgs.....lb. .16½- .17
futures, bgs.....lb. .15½- .16
Spanish, bls.....lb. .11¾- .12
Thymol, cns. .....lb. No prices
Iodide, dms. .....lb. 4.25 - —
Timbo root (see Cube root).
Tin chloride,[8] anhydrous.....lb. No stocks.
crystals,[8] bgs., bbls.....lb. No stocks.
Metal,[8] .....lb. .70 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks.
Oxide,[8] bbls. .....lb. .54 - .55
Tetrachloride,[8] anhyd., dms., works..lb. .31 - .33

THE

Biochemical Division

OF

Interchemical Corporation

is pleased to offer

ARGININE

HISTIDINE

LYSINE*

as the *l* (+) monohydrochloride

and several other

***ESSENTIAL* AMINO ACIDS**

in quantities suitable for nutrition laboratory and clinical research.

[QUOTATIONS ON REQUEST]

Problems involving essential amino acids are always invited for discussion by our scientific staff.

**Write for descriptive literature on Lysine.*

Interchemical Corporation

Biochemical Division

UNION — NEW JERSEY

PROTEIN CHEMISTS . . . MANUFACTURERS OF AMINO ACIDS

IMPORTERS *and* EXPORTERS

AGAR AGAR (Jap Gelatin)

COD LIVER OILS

DRIED EGG PRODUCTS

Egg Yolk
Whole Egg
Hen Egg Albumen
Tech. Egg Albumen

ESSENTIAL OILS

Anise, Chinese
Balsam Copaiba, Brazilian
Bergamot, Italian
Lemon, Italian
Orange, Brazilian
Orange, Florida
Peppermint, Brazilian
Rosewood, Brazilian

FISH LIVERS and FISH LIVER OILS
(Vitamin A & D Oils)

FISH MEALS and BONE MEALS

MENTHOL CRYSTALS U.S.P.—Chinese, Japanese, Brazilian

ESTABLISHED 1928

CICO

CONSUMERS IMPORT CO., INC.

Empire State Building, 350 Fifth Avenue, New York 1, N. Y.

TELEPHONE LONGACRE 3-0415

CABLE ADDRESS PUREFOOD-NEW YORK

Titanium dioxide,[4] chalk resistant, bgs., c.l., dlvd..lb. .15½- —
l.c.l., dlvd. .....lb. .15¾- —
nonchalking,[4] bgs., c.l., dlvd. E..lb. .17½- —
l.c.l., dlvd. .....lb. .17¾- —
plain, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd. .....lb. .15¾- —
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[4] bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd.....lb. .06¾- —
Calcium base,[4] bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Calcium - rutile base,[4] bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Magnesium base,[4] dlvd....lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.32
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Toluol (toluene), 2°, indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
West Minnequa, Colo...gal. .22 - —

Prices on toluol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C., 26c. (6c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).

1°, nitration, ret. dms., works. gal. .27 - —
Toluol (toluene), 1°, nitration, tanks, E. of Omaha, frt. alld. gal. .22 - —
West Minnequa, Colo....gal. .22 - —
Tolu balsam, cns.....lb. 4.25 - 4.50
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. 1.00 - —
Tonga, 50% bark and vine, bbls. lb. .50 - .51
Tonka beans, Angostura, cks..lb. 1.75 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine, USP XII, 100-oz. lots..oz. .53 - —
Triacetin, dms., works.....lb. .36 - —
Triamylamine, dms., c.l., works. lb. .38 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .65 - —
Tributylamine, dms., c.l., works. lb. .73 - —
l.c.l., works.....lb. .91 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06¾- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06¾- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Cal., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., dms., c.l., dlvd..lb. .33 - —
l.c.l., dlvd.....lb. .33½- —
tanks, dlvd.....lb. .33 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.00 - —
double-grd., bgs., c.l., works.. ton.17.00 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic)
Tuba root (see Cube root).
Tungsten metal, powd., 99.9+%, dms., works..lb. 2.85 - —
Oxide, kgs., same basis.....lb. 4.75 - —
Turmeric root, Alleppey, bls...lb. .18½- .19
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .18½- .16
Madras, bgs.....lb. .16 - .16½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms. incl. c.l., wks., South..gal. .94 - —
l.c.l., same basis.....gal. .98 - —
tanks, wks., South.....gal. .76 - —
Turpentine, wood, steam-dist., l.c.l., dms., incl., East. gal. 1.20 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. 1.20 - 1.25

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.85 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.00 - —
imports, pure, es.....lb. .13 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalised with Hopewell, Va..ton.80.00 - —
fixed ammonia content, Belle, W. Va., freight equalised with Hopewell, Va., NH_3, ton.112.00 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uranday, extract, 65% tannin, ex dock, U.S. ports..lb. .06625- .06750
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .58 - .77
Indian, bls. .....lb. .43 - .55
Valonia, beards, bgs, ex dock.. ton.75.00 - —
Cups, bgs., ex dock.....ton.60.00 - —
Extract, powder, bgs., ex dock, lb. .11½- .11¾
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 6.00 - 6.50
Mexican, cuts, tins.....lb. 9.00 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.50
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.80 - —
smaller lots, tins.....lb. 4.85 - 4.95
ex guaicol, tins, 25 lbs. or more. lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
ex lignin, tins, 25 lbs. or more. lb. 2.85 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .28
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate, obys., works....lb. .25 - —
dms., c.l., works.....lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14 - —
Ether, bots., 75 c.c., less 20% and 30%..bot. 1.30 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.80 - —
Vitamin A (see Oils, codliver, halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha).

W

Valerian root, Belgian, N.F., bls. lb. .58 - .77
fair average, bgs., f.a.s.. ton.60.00 - —
extract, liquid, 25% tannin, bbls., works..lb. .05½- .06¼
tanks, works.....lb. .05½- .06¼
solid, E. Afr., 61% tannin, ex dock..lb. .06¼- .06¾
S. Afr., 62% tannin, ex dock, lb. .06½- .06¾

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .79
slabs, bgs.....lb. .64 - .66
crude, African, bgs.....lb. .54 - .57
Western hemisphere, bgs.lb. .56 - .60
refined, yellow, bricks, bgs.lb. .62 - .63
slabs, cs.....lb. .61 - .62
Candelilla, crude, bgs.....lb. .78 - .80
refined, bgs.....lb. .82 - .83
Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., bgs., ton lots..lb. 1.55 - 1.60
North Country, No. 2, bgs., ton lots..lb. 1.66 - 1.68
No. 2, bgs., ton lots.....lb. 1.62 - 1.64
refined, bgs., ton lots.....lb. 1.71 - 1.73
yellow, No. 1, bgs., ton lots.. lb. 1.90 - 1.92
No. 2, bgs., ton lots.....lb. 1.88 - 1.90
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .12¾
138°-140° m.p., bgs.....lb. .15 - —
156°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .16 - —
smaller lots, same basis. lb. .16 - .17½
black, ctns., 30 tons, same basis..lb. .14½- —
smaller lots, same basis..lb. .14½- .15½
white, ctns., 30 tons, same basis..lb. .27 - —
smaller lots, same basis.. lb. .27 - .29
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .18 - —
smaller lots, same basis. lb. .18 - .19
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .16½- —
smaller ctns., same basis. lb. .16½- .17½
white, ctns., 30 tons, same basis..lb. .31 - —
smaller lots, same basis. lb. .31 - .32

Petrolite

PURE
HIGHLY-REFINED
MICRO-CRYSTALLINE
HIGH SPECIFICATION
FROM SELECTED CRUDE STOCK

Crown Quality WAXES are pure, highly refined micro-crystalline mineral waxes, manufactured only by Petrolite. They are refined from selected crude petroleum stocks, in a refinery designed and operated *exclusively* for wax production.

Because of the carefully controlled production of Crown Waxes and their resulting distinctive specifications, they should be appraised for exactly what they are,—high quality micro-crystalline mineral waxes. While the blending qualities and flexibility of use of these waxes permit their extensive use as vegetable wax replacements or extenders—it should be remembered that Crown Waxes themselves are *quality* products whose distinctive specifications offer a wide range of uses—*economically*.

Quality Index	Penetration	Melting Point	Color	Odor*
1035	Less than 2	195°F Minimum	2 to 2½ NPA	None
1010	Less than 2	195°F Minimum	1 to 1½ NPA	None
700	Maximum 5	197°F Minimum	2 to 2½ NPA	None
500	5 to 10	192°F Minimum	2½ to 3 NPA	None
400	5 to 10	192°F Minimum	4 to 5½ NPA	None
100	5 to 8	196°F Minimum	Black	None

*At atmospheric temperature

A descriptive Crown Quality Wax bulletin is now available upon request at the addresses below:

PETROLITE *Crown Quality* WAX

PETROLITE CORPORATION, LTD. ★ WAX DIVISION

29 Broadway, New York 6, New York ★ Refinery, Box 390, Kilgore, Texas

Wax, montan, crude, bgs.	lb.	.54	- .55
Ouricury, crude, bgs., ton lots.	lb.	.85	- .87
refined, bgs., ton lots.	lb.	.94	- .97
Powdered ouricury prices same as powdered candelilla.			
Ozokerite, dom., 189-190 F., c.l.	lb.	.36	- —
182-184 F., bgs., c.l.	lb.	.31	- —
182-183 F., bgs., c.l.	lb.	.31	- —
Spermaceti, blocks, ca.	lb.	.45	- .50
cakes, ca.	lb.	.46	- .51
White lead (see Lead, white).			
White precipitate, powd., dms., 50 lbs. or more.	lb.	2.50	- —
White pine bark, rossed, bls.	lb.	.23	- .24
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis.	ton.	10.50	- —
smaller lots, works, St. Louis.	ton.	12.50	- —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l.	ton.	14.50	-27.50
200 mesh, 99¾%, bgs., c.l.	ton.	No prices	
90%, bgs., c.l.	ton.	No prices	
water-floated, extra, gilders, bgs., c.l.	ton.	14.50	-23.00
gilders, bgs., c.l.	ton.	No prices	
putty grade, bgs., c.l.	ton.	13.00	- —
surface treated, bgs., c.l., Ohio, works.	ton.	27.50	- —
Paris white, bgs., c.l.	ton.	25.00	-31.00
l.c.l.	ton.	25.00	-29.00
precipitated, bgs., c.l.	ton.	14.00	-15.00
l.c.l.	ton.	18.00	-20.00
Wild cherry bark, thick, bls.	lb.	.06	- .07
thin, natural, bgs.	lb.	.18	- .20
rossed, green, bls.	lb.	.20	- .21
Wild indigo root, bls.	lb.	.22	- .25
Witch-hazel leaves, bls.	lb.	.20	- .23
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	No prices	
60 mesh, same basis.	ton.	No prices	
80 mesh, same basis.	ton.	No prices	
100 mesh, same basis.	ton.	No prices	
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20	- .27
Levant, bgs.	lb.	4.25	- 4.50
Wormwood, bls.	lb.	.59	- .60

X

Xanthorrhiza, bls.	lb.	.28	- .30
Xylidin, mixed, dms.	lb.	.38	- —
Xylene (see Xylol).			
Xylol (xylene), indust., ret. dms., works.	gal.	.27	- —
tanks, E. of Omaha, frt. alld.	gal.	.22	- —
West Minnequa, Colo.	gal.	.22	- —

Prices on xylol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c); S. C., 26c. (6c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.); the Chicago price is 20c. f.o.b. terminal.

10°, ret. dms., works.	gal.	.30	- —
tanks, E. of Omaha, frt. alld.	gal.	.25	- —
5°, ret. dms., works.	gal.	.31	- —
tanks, E. of Omaha, frt. alld.	gal.	.32	- —
3°, ret. dms., works.	gal.	.42	- —
tanks, E. of Omaha, frt. alld.	gal.	.37	- —

Y

Yara yara, cryst., bots., cns.	lb.	1.62	- 1.75
Yeast, brewer's dry, 50 B units, dms.	lb.	.35	- —
90 B units, dms.	lb.	.45	- —
200 B units, dms.	lb.	.50	- —
300 B units, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.32	- —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below

Benzidin, bbls., dlvd.	lb.	1.60	- —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies.	lb.	.55	- .60

Los Angeles and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.24	- —

Chrome, CP, bbls., dlvd. Ala., Fla., Ga. La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis as chrome.	lb.	1.48	- —
primrose, bbls., same basis.	lb.	1.90	- —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04¼	- —
l.c.l., same basis.	lb.	.06	- —
synthetic, bbls., c.l., works.	lb.	.0635	- —
l.c.l., works.	lb.	.0710	- —
Mercury oxide, bbls., 1,000 lbs.	lb.	2.43	- —
smaller lots.	lb.	2.45	- —
Ocher, American, golden, bbls., works.	lb.	.04½	- .06¼
yellow, bgs., works.	lb.	.02¾	- —
French type, bgs., c.l.	lb.	.03¾	- —
l.c.l.	lb.	.04	- —
Persian orange (see O).			
Zinc, bbls., same basis as chrome.	lb.	.17¼	- —
Yellow, zinc, Navy spec. type, bbls., contract.	lb.	.19	- —
Yellow dock root, bls.	lb.	33	- 40
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	30	- 32
Yohimbine hydrochloride, vis.	oz.	3.25	- 4.00

Z

Zein, bgs., 1,000 lbs., works.	lb.	.25	- —
smaller lots, bgs.	lb.	.30	- —
Zinc acetate, tech., bbls., dlvd.	lb.	.18	- .21
USP, bbls.	lb.	.26	- .27
kgs.	lb.	.27	- .28
Arsenite, bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾	- .12¼
l.c.l., same basis.	lb.	.12¼	- .13¼
Borate, bgs., c.l.	lb	.12	- —
Carbonate, tech., rubbermakers' grade, bbls., works.	lb.	.09¾	- .10¾
USP, precip., powd., bbls.	lb.	.35	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —

Zinc chloride, tech., fused, dms., c.l., works.	100 lbs.	5.00	- —
l.c.l., works.	100 lbs.	5.25	- —
gran., dms., c.l., works.	100 lbs.	5.75	- —
l.c.l., works.	100 lbs.	6.50	- —
solution, 50%, dms., c.l., works.	lb.	.0615	- —
l.c.l., works.	lb.	.04¼	- .04½
tanks, works.	lb.	.0250	- —
USP, dms.	lb.	.30	- .31
jars	lb.	.35	- .36
Chromate (see Yellow, zinc).			
Zinc cyanide, kgs., works.	lb.	.33	- .37
Dust, bbls., c.l., dlvd.	lb.	.1250	- .1290
l.c.l.	lb.	.12¾	- .13
Fluoride, bbls., works.	lb.	.18	- .19
Hydrosulphite, dms., works.	lb.	.16	- —
Iodide, NF, jars.	lb.	4.65	- —
Laurate, bbls.	lb.	.32	- .36
Metal (quotations in Protective Coatings market).			
Naphthenates, 8%-10% Zn, dms.,	lb.	.17¾	- .21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.09	- —
l.c.l., works.	lb.	.09¼	- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.09	- —
l.c.l., works.	lb.	.09¼	- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.09	- —
l.c.l., works.	lb.	.09¼	- —
35% or more, bgs., c.l., dlvd.	lb.	.10½	- —
l.c.l., works.	lb.	.10¾	- —
50%, bgs., c.l., dlvd.	lb.	.11¼	- —
l.c.l., works.	lb.	.11½	- —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.11¾	- —
l.c.l., works.	lb.	.11¾	- —
green seal, bgs., c.l., dlvd.	lb.	.10¾	- —
l.c.l., works.	lb.	.11	- —

Zinc oxide, pigment, dom., French process, white seal, bgs., c.l., dlvd.	lb.	.11¼	- —
l.c.l., works.	lb.	.11½	- —
red seal, bgs., c.l., dlvd.	lb.	.10¼	- —
l.c.l., works.	lb.	.10½	- —
USP, ctns., c.l., dlvd.	lb.	.12¼	- —
l.c.l., works.	lb.	.12½	- —

Zinc oxde Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Resinate, fused, 1% Zn, lump, 9% Zn, powd., dms.	lb.	.18½	- —
Silicofluoride, bbls.	lb.	.15	- .16
Stearate, tech., ctns., 2,000 lbs. to c.l.	lb.	.45	- .49
smaller lots, same basis.	lb.	.50	- —
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40	- —
l.c.l., same basis.	100 lbs.	4.15	- —
flake, bgs., c.l., same basis.	100 lbs.	3.80	- —
l.c.l., same basis.	100 lbs.	4.55	- —
powd., bgs., c.l., same basis.	100 lbs.	5.35	- —
l.c.l., same basis.	100 lbs.	6.10	- —
Zinc sulphate, in bbls., 25c. higher.			
Sulphide, pure, bgs., c.l., dlvd.	lb.	.09½	- —
l.c.l., works.	lb.	.09¾	- —
Barium pigment, works, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., works.	lb.	.06¾	- —
Fluorescent pigment, works, frt. alld.	lb.	1.00	- 3.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd.	lb.	.06¾	- —
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, gran., bbls., dms.	lb.	.28	- .30

Zinc sulphoxylate, formaldehyde, basic, dms., works, frt. alld.	lb.	.17	- —
normal, dms., works, frt. alld.	lb.	.35	- —
Tallate, 5% Zn, dms.	lb.	.09¾	- —
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.25	- —
l.c.l., works.	100 lbs.	6.75	- —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00	- 3.00
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.07¾	- —
l.c.l., dlvd. E. of Rockies.	lb.	.08¼	- —
Pac. cst.	lb.	.08¼	- —
ex whse., Pac. cst.	lb.	.08¾	- —
Zirconium acetate, solution, bbls., works.	lb.	.25½	- —
Hydride, cns., works.	lb.	7.00	- 8.00
Nitrate, bgs., works.	lb.	3.00	- 4.00
Oxide, 88%, grd., bbls., c.l., works.	lb.	.22½	- —
l.c.l.	lb.	.23¾	- —
white, 98½%-99%, grd., kgs., works.	lb.	.80	- —
milled, electric, fused, 2,000-9,999 lbs., works.	lb.	.46	- —
500 lbs. and less, same basis.	lb.	.46½	- .49
Oxychloride, cryst., bbls., 5 tons, works.	lb.	.29¼	- —
Sulphate, basic, cake, bbls., c.l., works.	lb.	.18	- —
l.c.l., works.	lb.	.18¼	- .20
smaller lots, works.	lb.	.20	- .21¼

"I tried it once... didn't like it"

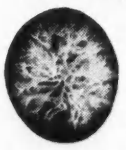
Don't run the risk of disappointing your customers with a product that "settles out," or has a watery or curdled appearance. Give it an even and lasting *distribution of color and body with Kraystay.*

The amount of stabilizer called for in most formulas is so small that its importance is often underestimated. But, if a stabilizer stops separation, curdling or "settling out," it is as important as the most costly ingredient. Many progressive manufacturers have found that Kraystay definitely improves their products through an even and *lasting* distribution of color and body.

This remarkable vegetable stabilizer, used in varying proportions, has unusual stabilizing, emulsifying, thickening, suspending and gelling properties. Kraystay is adaptable for use in cream lotions, hand lotions, toothpaste, cosmetics, pharmaceuticals, foods, and many other products of medium or low acidity.

Don't overlook the possibilities of improvement. Call or write today stating the nature of your product. Or, if you wish to submit your formula, Kraft technicians will be glad to assist you in the application of Kraystay to it. Kraft Foods Company, Dept. Y-8, 500 Peshtigo Court, Chicago 90, Illinois.

FROM TINY FRONDS OF CARRAGEEN (edible Irish moss) gathered from the cold ocean floor, Kraft extracts a clear, pure vegetable gelose for use in the manufacture of Kraystay. Modern scientific laboratory control insures the uniform high quality of this consistently efficient stabilizer.



KRAYSTAY

MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations).

Aquaplex (resin emulsion type), S-6, bbls., c.l..lb. .14 - —
l.c.l. .....lb. .14¼- —

Aroclors, distilled, dms., c.l., works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —

Aroclors, undistilled, dms., c.l., works..lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

Bakelite, standard materials, C-9 resin concentrate, BR-13260, c.l..lb. .45 - —
single drum.....lb. .45½- —

C-9 resin, oil modified, BR-17920..c.l..lb. .53 - —
single drum.....lb. .53½- —

100% phenolic resins, pale, heat hardening, BR-3360, c.l..lb. .37 - —
single drum.....lb. .37½- —
BR-10282, c.l.....lb. .34 - —
single drum.....lb. .34½- —
BR-14634, c.l.....lb. .33 - —
single drum.....lb. .33½- —
Non-heat hardening, BR-254, c.l..lb. .38 - —
single drum.....lb. .38½- —

Bakelite, 100% phenolic resins, pale, heat-hardening, BR-4036, c.l..lb. .39 - —
single drum.....lb. .39½- —
BR-9432, c.l.....lb. .31 - —
single drum.....lb. .31½- —
BR-17700, c.l.....lb. .34 - —
single drum.....lb. .34½- —
Resin concentrates, BR-15775, c.l..lb. .26 - —
single drum.....lb. .26½- —
Dispersion resins, BK-3962, c.l..lb. .31 - —
single drum.....lb. .31½- —
BK-16624, c.l.....lb. .29 - —
single drum.....lb. .29½- —
Lacquer resin, BR-9367, c.l... lb. .25 - —
single drum.....lb. .25½- —
BJ-15408, c.l.....lb. .39½- —
l.c.l. .....lb. .40 - —
Modified phenolic resins, BR-2072, c.l..lb. .25½- —
single drum.....lb. .26 - —
BR-11544, c.l.....lb. .24 - —
single drum.....lb. .24½- —
Phenolic "resin baking" resins and solutions, BV-1600, c.l..lb. .30 - —
single drum.....lb. .30½- —
BV-10373, c.l.....lb. .35 - —
single drum.....lb. .35½- —

Prices include containers. Deposit of $5.00 will be invoiced for each light gauge drum which is credited upon return of the drum to plant of origin, freight collect, in a usable condition. Prices listed are per pound based on quantities ordered for single shipments. Prices are f.o.b. Bound Brook, N. J., plant, with minimum transportation charges prepaid on units of standard drums in U. S. except as follows where lc. per pound must be added:—Ariz., Calif., Colo., Idaho, Mont., Nev., New Mex., Oregon, Tex., Utah, Wash., Wyoming. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

C

Celloiyn 102, works, c.l.....lb. .22 - —
10 dms. .....lb. .22½- —
1-9 dms. .....lb. .23½- —

Cumar resin, AX, non-ret. dms., net weight..lb. .06½- —

BX, net weight.....lb. .06½- —
CX, gross weight.....lb. .06 - —
DX, gross weight.....lb. .05½- —
EX, gross weight.....lb. .05½- —
FX, gross weight.....lb. .06 - —
MH, Col. 1.....lb. .13 - —
1½-2 .....lb. .12 - —
2½-3½ .....lb. .11 - —
9 .....lb. .09 - —
MS .....lb. .11 - —
P, 10°-90° C., col. 2½ and darker..lb. .11 - —
RH .....lb. .11 - —
RS .....lb. .11 - —
V col. ½.....lb. .14 - —
1 .....lb. .13 - —
1½-2 .....lb. .12 - —
2½ and darker.....lb. .11 - —
W col. ½.....lb. .14½- —
1 .....lb. .13½- —
1½-2 .....lb. .12½- —
2½ and darker.....lb. .11½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

D

Dow resin 276 V-2 and V-9, 55-gal. drums, c.l., works. lb. .24 - —
l.c.l., same basis.....lb. .24½- —

Dow resin, 276 V-2 and V-9, 5 and 10-gal. drums, same basis..lb. .30 - —
DC-804, dms., 50 gals., works.lb.18.65 - —
30 gals., same basis...lb.18.65 - —
10 gals., same basis...lb.19.40 -19.70

Duraplex (no prices at this time).

Durite, 1301, pale, dms drum and over..lb. .29 - —
smaller lots .....lb. .30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2), non-ret. dms., l.c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .31½- —
D, l.c.l., same basis.....lb. .27½- —
22 (E.S. 202), l.c.l., same basis..lb. .23½- —
25 (E.S. 246), same basis, l.c.l..lb. .20 - —
33 (E.S. 293), l.c.l., same basis..lb. .25 - —
562 (E.S. 19), l.c.l., same basis..lb. .26½- —
660 (E.S. 56), l.c.l., same basis..lb. .23 - —
750 (E.S. 94), l.c.l., same basis..lb. .32 - —
2600 (E.S. 72), l.c.l., same basis..lb. .25½- —
2633 (E.S. 69), l.c.l., same basis..lb. .25½- —
4040 (E.S. 230), l.c.l.....lb. .27½- —
5898, l.c.l., same basis.....lb. .27 - —

Group "A" are standard production items normally carried in the manufacturer's inventory.

Ethocel, ctns. (50-lb.), 5,000 lbs. or more, frt. alld. 100 lbs. up, works..lb. .50 - —
under 5,000 lbs., same basis.. lb. .52 - —
under 50 lbs., same basis..lb. .60 - —

F

FCD alkyds, 501, 100%, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .44¼- —
l.c.l. .....lb. .44¾- —
516, 70%, c.l., same basis....lb. .28⅝- —
l.c.l. .....lb. .28⅞- —
515, 70%, c.l., same basis...lb. .27½- —
l.c.l. .....lb. .28 - —
515, 100%, c.l., same basis..lb. .38½- —
l.c.l. .....lb. .39 - —
517, 60%, c.l., same basis...lb. .26½- —
l.c.l. .....lb. .27 - —
521, 50%, c.l., same basis...lb. .25½- —
l.c.l. .....lb. .26 - —
522, 50%, c.l., same basis...lb. .25½- —
l.c.l. .....lb. .26 - —
525 LV, 60%, c.l., same basis. lb. .26 - —
l.c.l., same basis.....lb. .26½- —
527, 70%, c.l., same basis....lb. .33 - —
l.c.l. .....lb. .33½- —
527, 100%, c.l., same basis...lb. .46½- —
l.c.l. .....lb. .47 - —
528, 70%, c.l., same basis...lb. .31⅞- —
l.c.l. .....lb. .32⅜- —
535, 50%, c.l., same basis....lb. .23 - —
l.c.l. .....lb. .23½- —
538, 50%, c.l., same basis...lb. .17½- —
l.c.l. .....lb. .18 - —
545, 50%, c.l., same basis...lb. .28 - —
l.c.l. .....lb. .28½- —
555, 50%, c.l., same basis, lb. .25 - —
l.c.l. .....lb. .25½- —
571, 60%, c.l., same basis...lb. .25 - —
l.c.l. .....lb. .25½- —
573, 50%, c.l., same basis...lb. .15½- —
l.c.l. .....lb. .16 - —
maleic, 3-V, non-ret. dms., c.l., works, frt. alld., zone 1. lb. .20 - —
l.c.l. .....lb. .20½- —
4, cl, same basis.....lb. .26 - —
l.c.l. .....lb. .26½- —
4-V, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25 - —
5-V, c.l., same basis.....lb. .29¾- —
l.c.l. .....lb. .30¼- —
6-V, c.l., same basis.....lb. .22½- —
l.c.l. .....lb. .22⅝- —
phenolic, 101, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .35 - —
l.c.l. .....lb. .35½- —
102, c.l., same basis.....lb. .34 - —
l.c.l. .....lb. .34½- —
modified phenolic, 122, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .25 - —
l.c.l. .....lb. .25½- —
140, c.l., same basis.....lb. .25⅝- —
l.c.l. .....lb. .26¼- —
142, c.l., same basis.....lb. .24 - —
l.c.l. .....lb. .24½- —
144, c.l., same basis.....lb. .27¼- —
l.c.l. .....lb. .27⅝- —
FCD, modified phenolic, 157, c.l., same basis..lb. .18½- —
l.c.l. .....lb. 19 - —
163, c.l., same basis.....lb. .23½- —
l.c.l., same basis.....lb. .23⅝- —
165, c.l., same basis.....lb. .26¼- —
l.c.l., same basis.....lb. .26¾- —

G

G, resin, dms., net weight, works. lb. 09½- —

Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works. lb. .33 - —
5,000 to 29,999 lbs., works.lb. .34 - —
200 to 4,999 lbs., works...lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,000 lbs., works.lb. .37 - —
200 to 4,999 lbs., works..lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
203, 30,000 lbs., works.....lb. .38 - —
5,000 to 29,000 lbs., works.lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works.....lb. .58 - —
204, 30,000 lbs., works.....lb. .42 - —
5,000 to 29,999 lbs.....lb. .43 - —
200 to 4,999 lbs.....lb. .45 - —
up to 199 lbs.....lb. .60 - —

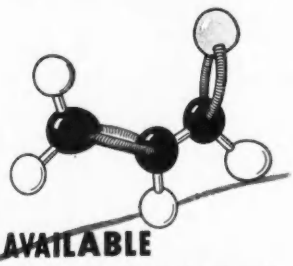
Guai-a-phene, non-ret. dms., dms. incl., works, 50-55 gals. gal. 2.50 - —
10 gals., two fives, per case, works..gal. 2.57 - —
5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

Hydrogum, P-190, dms., c.l...lb. .14½- —
l.c.l. .....lb. .15 - .15¼

ACROLEIN



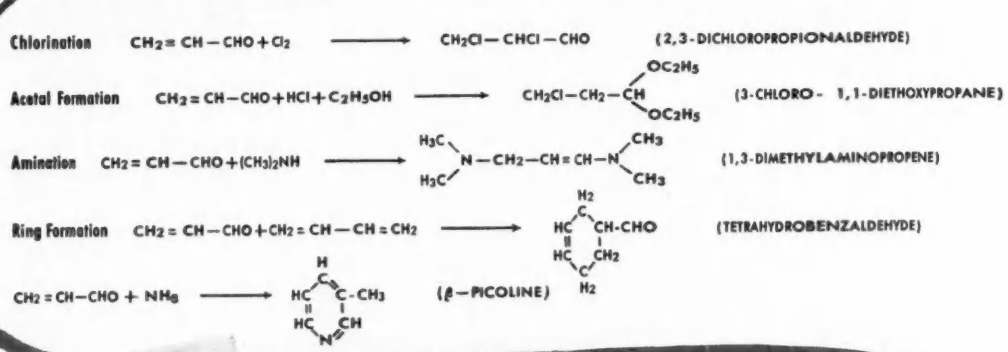
NOW AVAILABLE IN TRIAL LOT QUANTITIES

A HIGHLY REACTIVE INTERMEDIATE OFFERING NEW COMMERCIAL POSSIBILITIES

RESINS — As an intermediate in the preparation of polymerizable monomers, and as a constituent of aldehyde resins

INTERMEDIATES — As an intermediate in the synthesis of pharmaceuticals, heterocyclic ring compounds, polybasic acids, diamines, alcohols, acetals, etc.

AMONG THE HUNDREDS OF POSSIBLE REACTIONS ARE:



PROPERTIES	
Chemical formula	$CH_2=CH-CHO$
Molecular weight	56.06
Specific gravity	0.84
Melting point	—86.9° C
Boiling point	52.7° C
Colorless	
Inflammable	
Soluble in alcohol, ether	

To members of the chemical industry who are interested in its many potential uses, we offer trial lot quantities of Acrolein for use in the development and processing of new commercial products.

The bifunctional Acrolein molecule is extremely versatile. It can undergo an almost unlimited number of reactions characteristic of both aldehydes and activated olefinic bonds to form a variety of unusual compounds. Your investigation of these many possible reactions may afford new and profitable applications of this chemical.

A request on your company letterhead will bring further technical information.

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 • 500 Fifth Avenue, New York 18
Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston

J

Jesite (see zinc-iron oxide pigment in regular list above).

K

Koresin, f.o.b. works, one ton or more, dms..lb.	**.40**	**-**	**—**
single drum.....lb.	**.42**	**-**	**—**
less than one drum.....lb.	**.52**	**-**	**—**

L

Lewisol resin, 28, non-returnable light-gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb.	.29	-	—
l.c.l., 10 dms., same basis. lb.	.29½	-	—
1-9 dms., same basis..lb.	.30	-	—
33, c.l., same basis.....lb.	.29	-	—
l.c.l., 10 dms., same basis. lb.	.29½	-	—
1-9 dms., same basis...lb.	.30	-	—

Lewisol resin prices are f.o.b. cars, New Eng. and Middle Atlantic States, Va., W.Va., N.C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms included, not returnable; net 30 days.

M

Metronite pigment, 120 and 180 mesh, containers included, c.l., f.o.b. Milwaukee..ton.	12.00	-	—
l.c.l., same basis.....ton.	14.00	-	—
250 mesh, containers included, c.l., same basis..ton.	18.00	-	—
l.c.l., same basis.....ton.	20.00	-	—
325 mesh, containers included, c.l., same basis..ton.	20.00	-	—
l.c.l., same basis.....ton.	26.00	-	—
400 mesh, containers included, c.l., same basis ton.	27.50	-	—
l.c.l., same basis.....ton.	38.00	-	—

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb.	.34	-	—
190, dms., c.l., dlvd.....lb.	.36	-	—
290, dms., c.l., dlvd.....lb.	.38	-	—
fatty acid, 3R, dms., c.l., dlvd. lb.	.30¾	-	—
17, dms., c.l., dlvd.....lb.	.27	-	—
19, dms., c.l., dlvd.....lb.	.29	-	—

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb.	.19	-	—
hard, color 2-½-4, melting point 85-95° C., same basis..lb.	.17	-	—
soft, color 2-½-4, melting point 65-70° C., same basis..lb.	.17	-	—
10 C, color ½-4, same basis..lb.	.24	-	—
ZC, same basis.....lb.	.23	-	—
OA, same basis.....lb.	.45	-	—
RP, same basis.....lb.	.25	-	—
TS, same basis.....lb.	.45	-	—
RT, same basis.....lb.	.31	-	—
RX, same basis.....lb.	.31	-	—
Neville, resin,* R-1 nevindene, color ½, dms., works..lb.	.14½	-	—
R-3, nevindene, color 1, dms., works..lb.	.13½	-	—
R-5, nevindene, color 1½-2, dms., works..lb.	.12½	-	—
R-6, nevindene, color 2½-3½, dms., works..lb.	.11½	-	—
R-7, N.P.S., color below 3, dms., works..lb.	.14	-	—
R-9, hard, color ½, dms., works..lb.	.14	-	—
Neville resin, R-10, hard, color 1, dms. works..lb.	.13	-	—
R-11, hard, color 1½-2, dms., works..lb.	.12	-	—
R-12, hard, color 2½-3½, dms., works..lb.	.11	-	—
Neville resin, R-13, medium, color ½, dms., works..lb.	.14	-	—
R-14, medium, color 1, dms., works..lb.	.13	-	—
R-15, medium, color 1½-2, dms., works..lb.	.12	-	—
R-16, medium, color 2½-4, dms., works..lb.	.11	-	—
R-17, medium, soft, color 3½-8, dms., works..lb.	.11	-	—
R-19, medium, soft, color 3½-8, dms., works..lb.	.11	-	—
R-21, soft, color 3½-8, dms., works..lb.	.11	-	—
R-22, special, soft, color 3½-8, dms., works..lb.	.11	-	—
R-29, medium, soft, color 2½-8, dms., works..lb.	.11	-	—
465, 110-125°C., dms., gross weight, Pittsburgh..lb.	.04½	-	—

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb.	.12	-	—
C-10 emulsion, ret. dms., works. lb.	.1125	-	—
Nextex, 10, returnable dms., works..lb.	.08½	-	—
Nuba, No. 1, 80-90° C., dms., gross weight, works..lb.	.03½	-	—
No. 2, 100-125° C., dms., gross weight, works..lb.	.03½	-	—
No. 3-X, 135-150° C., dms., gross weight, works..lb.	.05	-	—
Nuodex driers, cobalt, 6%, 400-lb. pkgs..lb.	.34	-	—
100-lb. pkgs.....lb.	.35	-	—
Calcium, 5%, 400-lb. pkgs..lb.	.25½	-	—
100-lb. pkgs.....lb.	.26½	-	—
Iron, 6%, 400-lb. pkgs.....lb.	.16½	-	—
100-lb. pkgs.....lb.	.17½	-	—
Lead, 24%, 450-lb. pkgs..lb.	.16	-	—
100-lb. pkgs.....lb.	.17	-	—
37%, 500-lb. pkgs.....lb.	.24	-	—
100-lb. pkgs.....lb.	.25	-	—
Manganese, 6%, 400-lb. pkgs. lb.	.17¾	-	—
100-lb. pkgs.....lb.	.18¾	-	—
Zinc, 8%, 400-lb. pkgs.....lb.	.17¾	-	—
100-lb. pkgs.....lb.	.18¾	-	—

All prices are dlvd. to customer's plant everywhere in continental U.S.A.

P

Paradene, No. 1, 75-90° C., color 12-16, dms., gross wt., works, lb.	**.05½**	**-**	**—**
2, 100-125° C., color 12-16, dms., gross wt., works..lb.	**.05½**	**-**	**—**
3, 125-140° C., dms., gross wt. works..lb.	.06	-	—
33, 34, color 10-15, dms., works, lb.	**.06½**	**-**	**—**
35, color 10-15, dms., works, gross wt..lb.	**.06**	**-**	**—**

Paradene prices are freight equalized with Philadelphia, Pa.

Paranol resin, extra hard, 25, l.c.l., dlvd..lb.	.25	-	—
30, l.c.l., dlvd.....lb.	.24	-	—
54, l.c.l., dlvd.....lb.	.28	-	—
1639, l.c.l., dlvd.....lb.	.27	-	—
Paranol resin, 1750, l.c.l., dlvd..lb.	.26	-	—
1855, l.c.l., dlvd.....lb.	.25	-	—
Parapen, 4511, l.c.l., dlvd....lb.	.19	-	—
4513, l.c.l., dlvd.....lb.	.20	-	—
Parazenes, 5 solid resins, c.l. and l.c.l., dlvd..lb.	**.13**	**-**	**—**
4634 solutions (50% in mineral spirits), c.l., dlvd..lb.	**.11**	**-**	**—**
l.c.l. .....lb.	.11½	-	—
Pentalyn A, non-ret. dms., f.o.b. cars, destination, zone 1. lb.	**.18½**	**-**	**—**
10 dms., same basis....lb.	.19	-	—
1-9 dms., same basis....lb.	.19½	-	—
G, non-ret. dms., f.o.b. cars, destination, zone 1..lb.	**.19¾**	**-**	**—**
10 dms., same basis....lb.	.20¼	-	—
1-9 dms., same basis....lb.	.20¾	-	—
M, non-ret. dms., c.l., f.o.b. cars, destination zone 1. lb.	**.21½**	**-**	**—**
10 dms., same basis.....lb.	.22	-	—
1-9 dms., same basis.....lb.	.23	-	—
M-802A, non-ret. dms., c.l., f.o.b. cars, destination, zone 1..lb.	**.21½**	**-**	**—**
10 dms., same basis.....lb.	.22	-	—
1-9 dms., same basis.....lb.	.23½	-	—
X, non-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb.	**.21½**	**-**	**—**
10 dms., same basis.....lb.	.22	-	—
1-9 dms., same basis.....lb.	.22½	-	—
P H.O., dms., works.....lb.	**.24**	**-**	**—**
Piccolastic, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb.	.20	-	—
l.c.l., same basis.....lb.	.20½	-	—

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolastic, A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa..lb.	.20	-	—
l.c.l., same basis.....lb.	.20½	-	—

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, TX, FHF types, c.l., Clairton, Pa..lb.	.12½	-	—
l.c.l., same basis.....lb.	.13	-	—

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb.	.19	-	—
l.c.l. .....lb.	.19½	-	—
S-55, S-70, same basis, c.l.lb.	.20	-	—
l.c.l. .....lb.	.20½	-	—
S-85, S-100, same basis, c.l.lb.	.21	-	—
l.c.l. .....lb.	.21½	-	—
S-115, same basis, c.l.....lb.	.22	-	—
l.c.l. .....lb.	.22½	-	—
Piccoumaron resins, 420, 420-S, dms., net wt., f.o.b. Clairton, Pa., frt. equald..lb.	.09½	-	—
420-T, gross wt., f.o.b. works. lb.	.07½	-	—
422-R, 423-R, 425-R, 427-R, dms., net. wt., f.o.b. works, frt. equald..lb.	.11	-	—
430, 435, bulk, gross wt., same basis..lb.	.05½	-	—
440-T, f.o.b. works.....lb.	.07	-	—
450, 450-H and 450-S, f.o.b. works, frt. equald..lb.	.10½	-	—
450-EH, same basis.....lb.	.10½	-	—
460-T, f.o.b. works.....lb.	.07	-	—
Piccoumaron resins, XX-25, XX-40, bulk, net. wt., f.o.b. works, frt. equald..lb.	.06½	-	—
XX-55, dms., gross wt., same basis..lb.	.06	-	—
XX-70, XX-100, same basis..lb.	.05½	-	—
XX-115, same basis.....lb.	.06	-	—
T-115, f.o.b. works.....lb.	.08	-	—
60%, 420-ES Sol., non-ret. dms., c.l..lb.	.08	-	—
Pliolite, S-5, milled resin, 200-lb. dms., works..lb.	.60	-	—
Polypale, ester, No. 10, non-ret. dms., c.l., dlvd..lb.	.23	-	—
10 dms., same basis....lb.	.23¼	-	—
1-9 dms., same basis...lb.	.23½	-	—

R

Resinous oil, No. XI, returnable dms., works..lb.	.0160	-	—

S

Saran F-120 resin, c.l., works.. lb.	.57	-	—
l.c.l., same basis.....lb.	.59	-	—
F-122 latex, approx. 56% solids contained, wood bbls. (55 gals.), c.l., works..lb.	.40	-	—
l.c.l., same basis.....lb.	.44	-	—
10-gal. bbls., same basis.. lb.	.50	-	—
Silene (see Calcium silicate hydrated under C in Current Market Quotations).			
Staybelite ester, No. 10, non-ret. dms., f.o.b. cars, c.l., destination, zone 1..lb.	.25	-	—
10 dms., same basis.....lb.	.25¼	-	—
1 dm., same basis.....lb.	.25½	-	—
Syntex resins (no prices at this time).			

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Velsicol versatile resins possess the desirable qualities that insure *more* lasting, *more* satisfactory results in decorative and protective coatings.

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In Canada: Natural Products Corp., Montreal 2

U

U formite (no prices at this time).

V

Vanadiset resins, grade A, 285-300° F. m.p., whse.	lb.	.0165-	.035
H, 245-255° F. m.p., whse.	lb.	.0250-	.050
C, 315-340° F. m.p., whse.	lb.	.0165-	.035
D, 170-180° F. m.p., whse.	lb.	.0165-	.035
F, 225-230° F. m.p., whse.	lb.	.0225-	.050
MR, 260-270° F. m.p., whse.	lb.	.014 -	.030
pulverized, whse	lb.	.0650-	.210
solution, whse	lb.	.4000-	.650
Velsicol, resins, AD-6-S, dms., c.l., f.o.b. works	lb.	.11⅝-	—
1-9 dms., works	lb.	.12⅞-	—
Solutions, AD-660, tankcars, works	lb.	.08 -	—
dms., c.l., works	lb.	.09½-	—
l.c.l., works	lb.	.09⅝-	—
AD-670, tankcars, works	lb.	.09 -	—
dms., c.l., works	lb.	.10¼-	—
l.c.l., works	lb.	.10⅝-	—
AB-400, tankcars, works	lb.	.06¼-	—
dms., c.l., works	lb.	.07¼-	—
l.c.l., works	lb.	.07⅝-	—
AB-400, tankcars, works	lb.	.06¼-	—
dms., c.l., works	lb.	.07¼-	—
l.c.l., works	lb.	.07⅝-	—
AB-11-4, dms., c.l., works,	lb.	.08¾-	—
dms., l.c.l., works	lb.	.09 -	—

Cost of non-returnable drums included in the above prices.

Solvents, No. 1, frt. alld., Midwest, tankcars	gal.	.16 -	—
dms., l.c.l., works	gal.	.22 -	—
No. 1-A, tankcars, frt. alld., Midwest	gal.	.17 -	—
dms., l.c.l., works	gal.	.23 -	—
Velsicol, solvents, No. 2A, tankcars, frt. alld., Midwest.	gal.	.20 -	—
dms., c.l., works	gal.	.26 -	—
AR-53A, f.o.b. works, tankcars	lb.	.25 -	—
l.c.l.	lb.	.32 -	—
AR-53-B, f.o.b. works, tankcars	lb.	.24 -	—
l.c.l.	lb.	.31 -	—

Cost of drums, $3 extra remaining customer's property.

Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, non-ret. dms., 20-dm. lots, same basis	gal.	2.00 -	—
drum lots, same basis	gal.	2.25 -	—
less than drum lots, same basis	gal.	2.50 -	—
28% by weight, solution in 32% methyl acetate, MA 26-18, 20-drum lots, same basis	gal.	2.15 -	—
drum lots, same basis	gal.	2.40 -	—
less drum lots	gal.	2.65 -	—

All "Vinylseal" containers except 5-gal. cbys. non-returnable.

Freight allowed to destinations in New England, Middle Atlantic States, Va., N.C., S.C., W. Va., O., Ky., Tenn., Ind., Ill., Mich., Wis., Ia., Mo. and Minneapolis, St. Paul, and Duluth, Minn. For shipments to all other points in U.S., add ½c. per lb. to c.l. and ¾c. to l.c.l. prices.

Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs, f.o.b. cars, South Charleston, W. Va.	lb.	.33 -	—
Vinyl chloride-acetate, 10,000 to 29,999 lbs., same basis.	lb.	.34 -	—
200 to 9,999 lbs., same basis.	lb.	.35 -	—
1 to 199 lbs., same basis	lb.	.51 -	—
VYNS, c.l. (30,000 lbs.), paper bgs., same basis	lb.	.44 -	—
10,000 to 29,999 lbs., same basis	lb.	.45 -	—
200 to 9,999 lbs., same basis.	lb.	.46 -	—
1 to 199 lbs., same basis	lb.	.62 -	—
VYCM, powd., c.l., 30,000 lbs., paper bgs., f.o.b. cars South Charleston, W. Va.	lb.	.38 -	—
10,000-29,999 lbs., same basis	lb.	.39 -	—
200-9,999 lbs., same basis.	lb.	.40 -	—
1-199 lbs., same basis	lb.	.56 -	—
VMCH, c.l. (30,000 lbs.), same basis	lb.	.39 -	—
10,000 to 29,999 lbs., same basis	lb.	.40 -	—
200 to 9,999 lbs., same basis.	lb.	.41 -	—
1 to 199 lbs., same basis	lb.	.57 -	—
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)	lb.	.40 -	—
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis	lb.	.43 -	—
200 to 1,999 lbs., same basis.	lb.	.45 -	—
1 to 199 lbs., same basis	lb.	.60 -	—
Vinyl chloride resins, AYAC, gran., fiber dms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars, South Charleston, W. Va.	lb.	.43 -	—
2,000-29,999 lbs., same basis	lb.	.45 -	—
200-1,999 lbs., same basis.	lb.	.47 -	—
1-199 lbs., same basis	lb.	.62 -	—
QYNA, pwd., c.l. (30,000 lbs.), same basis	lb.	.33 -	—
10,000 to 29,999 lbs., same basis	lb.	.34 -	—
200 to 9,999 lbs., same basis.	lb.	.35 -	—
1 to 199 lbs., same basis	lb.	.51 -	—
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers). 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.62 -	—
10,000 to 29,999 lbs., same basis	lb.	.83 -	—
200 to 9,999 lbs., same basis.	lb.	.84 -	—
1 to 199 lbs., same basis	lb.	1.00 -	—

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Primary markets in the Far East have opened up again . . . and U.S.I. is once more bringing Damar, Batu, Black East India, Pale East India, and other popular natural resins into this country.

As a manufacturer of *synthetic* resins as well, U.S.I. is once again able to offer you a complete resin line.

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SYNTHETIC RESINS

ESTER GUMS	*all types*
CONGO GUMS	*fused and esterified*
***AROPLAZ**	*alkyd and allied materials*
***AROFENE**	*pure phenolics*
***AROCHEM**	*modified types*

NATURAL RESINS

Pale East India	**Manila (Alcohol-Soluble)**
Batu	**Elemi**
Black East India	**Red Gum**
Pontianak	**Congo—Raw**
Loba	**Kauri**

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U.S.I. INDUSTRIAL CHEMICALS, INC.
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Justesen Honored For War Work

Paul Justesen, of the export department of Albert Verley & Co., essential oils, New York, has received citations from the governments of the United States and Great Britain for his services in Denmark during the war in aiding the escape of Allied soldiers from the Germans.

The American citation is signed by General of the Army Dwight D. Eisenhower at the direction of the president, and the British document by Air Chief Marshal Tedder. A native of Denmark, Mr. Justesen was there during the German occupation and was a member of the resistance movement.

M.M.&R. Assigns New Sales Post to Taxier

The territory of New York State, exclusive of New York City, has been assigned to Charles B. Taxier by Magnus, Mabee & Reynard Inc., importer and manufacturer of essential oils and related materials, New York. Previous to this assignment, Mr Taxier was a sales representative in the Metropolitan area, a position he held since he joined the firm in November, 1945.

Socony-Vacuum Names N.J. Refinery Head

R. Rea Jackson has been appointed manager of the Paulsboro, N. J., refinery of the Socony-Vacuum Oil Company, New York, succeeding Howard W. Sheldon, who has been transferred to the company's headquarters as assistant director of the company's laboratories.

Montana Oil Field Maps Available

Director W. E. Wrather, of the Geological Survey, has announced that two oil field maps of a portion of Toole County, Mont., the first of a new series that eventually will cover the entire Kevin-Sunburst oil field, are now available for distribution.

The maps are products of the survey's wartime search to extend the producing area of the oil field and investigations to aid in departmental administration of the oil and gas provisions of the Federal mineral-leasing laws.

These maps may be purchased from the Director, Geological Survey, Washington 25, D. C., at 10 cents each, and are also available for over-the-counter sale at the Geological Survey offices at 314 Boston Building, Denver, Colo.; 305 Federal Building, Casper, Wyo.; and Commercial Club, Billings, Mont.

Solvents Handling Safety Measures Advised

The Safety Research Institute, New York, reports that many plants, to prevent accidents, find it helpful to store organic solvents in a centrally located storeroom, with a responsible person in charge of issuing the liquids.

The institute reports that such a procedure can eliminate unlabeled or incorrectly labeled solvent containers: avoid misuse or unauthorized use of solvents; prevent waste, and provide a check when solvent consumption seems excessive.

Shell Oil Elects

Shell Oil Company, New York, has appointed D. B. Hodges vice-president of transportation and supplies. Mr. Hodges formerly was associate director of the supply and transportation division of the Petroleum Administration for war.

Greater Service IN CELANESE CHEMICAL DEVELOPMENT

The commissioning of the second phase of the large new chemical plant at Chemcel near Bishop, Texas, marks an important step in the Celanese program of expansion in the field of synthetic organic chemistry. Large scale production of basic industrial chemicals from natural gas is now in operation. Present output includes formaldehyde, acetaldehyde, acetic acid, methanol and acetone.

The unique processes and modern equipment operating at the Chemcel plant afford opportunity for Celanese to meet the requirements of industries for many new chemical derivatives, and to aid individual industries in developing new and improved manufacturing methods. Celanese Chemical Corporation, a division of Celanese Corporation of America, 180 Madison Avenue, New York 16, N. Y.

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ACETALDEHYDE ACETIC ACID
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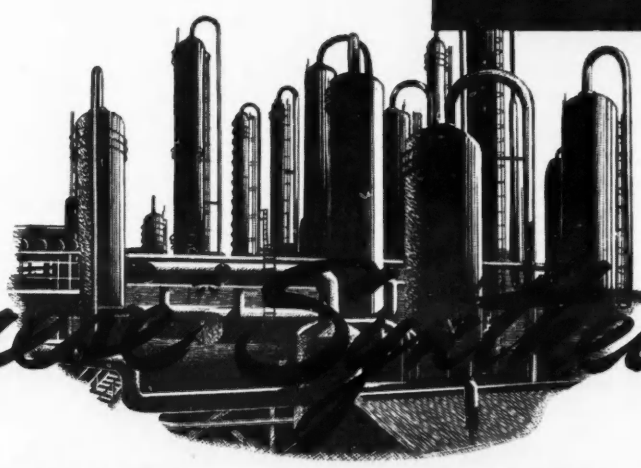

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Volume 151 January 6, 1947 Number 1

Mechanized Sociology

As a first step toward its proposed establishment of a science city, Harvard University has opened its computation laboratory which is designed to apply mathematics to the solution of problems of the social sciences. It is the belief of those responsible for this laboratory—already equipped with a very complex and allegedly very competent computer—that the needs of society with which the social sciences have to do can be reduced to statistical terms. They feel that at least the mathematical aspects of the exact sciences can be set up as a framework into which the problems of social existence and its innumerable relations can be fitted. If that can be done, the problems can be measured in terms of scientific reckoning—and the door is opened to their solution.

Economics is one of the social sciences to be studied by the "mechanical brain" computer. In a manner of speaking, economics might be said to be the problem of social science. It embraces all the other branches of that science, from public health to politics, including public relations and public service. Those who have to do with the bigger things of mathematics, such as the gigantic Harvard computer, can see therein the solution of problems so complex that they never have even been formulated.

It must be said that the problems of that small (in size, but not in importance) segment of economics best designated as human relations, certainly have never been intelligibly formulated. Not one of their many has ever been satisfactorily or permanently solved. The task has been too much for human capability. If they can even be made intelligible by any sort of computation mechanism, their solution will be greatly facilitated. Failure to understand even the simplest of them is responsible for much of the havoc they do in all areas where it is essential that human beings get along well together.

The human race has become so extensively mechanized that it may be that a "mechanical brain" is necessary for the solution of its social problems. There certainly is much solving to be done in that area, and something should be applied to the doing—even though the "brain trust" does raise a wail of "unfair competition."

Subsidy Is Not Salvation

One of the first problems of economics to which the Harvard "mechanical brain" would well be set a-solving is that presented by the politico-commercial tenet that private enterprise should be free—and its competitive activities fair. That contradiction is basic in the so-called "antitrust laws." And so it is that those who would have even two-way laws observed to the full letter find it necessary repeatedly to shift their reformative purposes between busting big business and bolstering little. How freedom, or fairness, can be achieved by either endeavor none has yet demonstrated.

One of the latest of these endeavors is a congressman's declared intention to "force government agencies to loan money to small business." There is about as much freedom for enterprise in the subsidized conditions thereby implied as there is in that which has brought immediate governmental investigation when cuts have been made in the high prices of butter and wool. It is a freedom on a parity with the freedom of speech which recently got a professional football coach a fine of $250 by action of the league head because he spoke out his opinion of a competitive team. The semantics of any one of the four—or more—freedoms so proudly proclaimed is fearfully and puzzlingly constructed.

Neither bigness nor smallness in business is a malady demanding the remedial legislation of which vote-seekers so glibly speak. There is no more reason why all businesses should be of uniform size than there is that there should be no difference in the sizes of men or of mountains. If small business has a proper sense of pride and a proper measure of wisdom, it will shoo away all political do-gooders, because the step from subsidy to subservience is not a long one.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Mid-American Resources

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

On several occasions I discussed with you vegetable oils, nuts, and other commodities from tropical countries. I finally made a personal survey. There is an ample natural supply, but a severe lack of proccessing machinery. There is also a good supply of sesame, cocoa, and chocolate—many products, in fact.

The seel nut (kernel, oil, and shell, natural or carbonized) will soon be reaching the markets in fair quantity. The shell or the whole nut, can be used in making plastics, rayon, carbon, and other products. The oil has a definite use for soap. It is useful for lubrication, and it can be readily made edible.

I have crossed from the highlands to the coasts for my observations, and made many contacts, business and official. There is a great desire for cooperation with North America. I trust to return shortly.

Guatemala City ROBERT SEELAV

Washington Talks It Over

—*Continued from page 5*

now reaching a fantastic figure in dollar liability to industry. The Gwynne bill placing a one-year or two-year limitation on damages that can be sought from industry on law violations will be the vehicle for providing the remedy.

It is a race, however, between CIO, which is initiating these suits, and Congress as to which gets in first. It is doubtful that Congress can impose a statute of limitations that would be retroactive to suits already on the court docket, but it can pass a law that no suit filed after a certain date can seek damages incurred prior to a certain date. Knowing this, CIO is bringing every suit that it can, however meritorious, in order to get in before the bar drops.

AFL seems to be standing aloof in this big money drive by CIO, viewing the suits as a membership drive by its rival organization which threatens the very existence of companies unable financially to stand multimillion-dollar verdicts.

U.S. Medicine Goes South

North American medical texts and ideas of practice are becoming accepted as standard by the younger generation of physicians in Latin America, according to Dr. Nelson Botelho Reis, instructor in cardiology at the National Medical School, Rio de Janeiro. Dr. Botelho Reis is now in the United States on a fellowship for advanced study granted by the Institute of Inter-American Affairs.

Himself a young man in the thirties, he recalled that most of his medical education had been based on French and German texts, and said that, up until the last few years, Brazilians and other Latin Americans generally had looked to Europe for exchange of both scientific and cultural ideas. The marked change in orientation came about with the closer bonds that have been developed among the American nations as a result of the "Good Neighbor" policy.

It is now estimated that 90 percent of the foreign texts in use in Brazil's medical schools are from the United States, and the remaining 10 percent are from Spanish-American countries and France.

Farmhands Paid Better

Wage rates paid to hired workers on the farm were no exception to the general rise in wage levels that affected all other industries in the year just closed. They too reached the highest level in history, according to a study just completed by the Department of Agriculture. October 1 the nationwide average received by farmhands was $91.40 a month with board. This compared with $84 on the same date in 1945 and an average for October for the years 1935-39 of only $27.10.

The higher wage rates were accompanied with record production of commodities and a minimum of labor difficulties. There were still areas and jobs for which a more ample supply of labor could have been used to advantage, but these were sporadic. For example, experienced dairyhands were still scarce, and more harvest workers could have been used in the Mountain States after rains in October had delayed harvest. On the other hand, farmers in parts of the wheat belt canceled requests for aid in locating hands for wheat harvest.

Weather conditions were a factor in the improved farm labor situation. Interference with field work was much less than in the two previous years. Farmers were able to start field work earlier than usual and this advantage was maintained over most of the season.

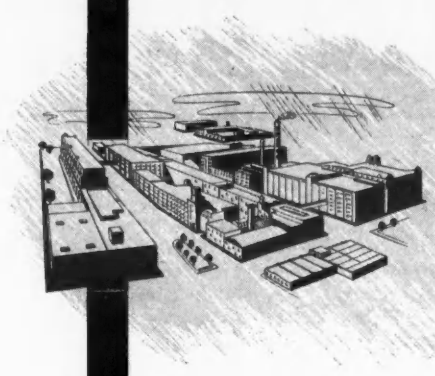
Distribution Is Disrupted

In preparation for the marketing conference which it will hold this week, the American Management Association has collected and collated the views of hundreds of sales and marketing executives with respect to conditions in distribution. Its findings disclose more uncertainty and more instability and more inadequacy than are generally accepted as being characteristic of conditions in production. Inventories are out of balance. Prices are out of line. Operations are out of step. All, apparently, because of reluctance, at least, to appreciate socio-economic adjustments that have got well underway.

New patterns of distribution have been an aggravating contribution to marketing uncertainties. Realignments of earning capacities have thrown an entirely new group of tastes and desires into the scale and sometimes roughly disturbed its balance. Selling has gone down almost to the level of a lost art.

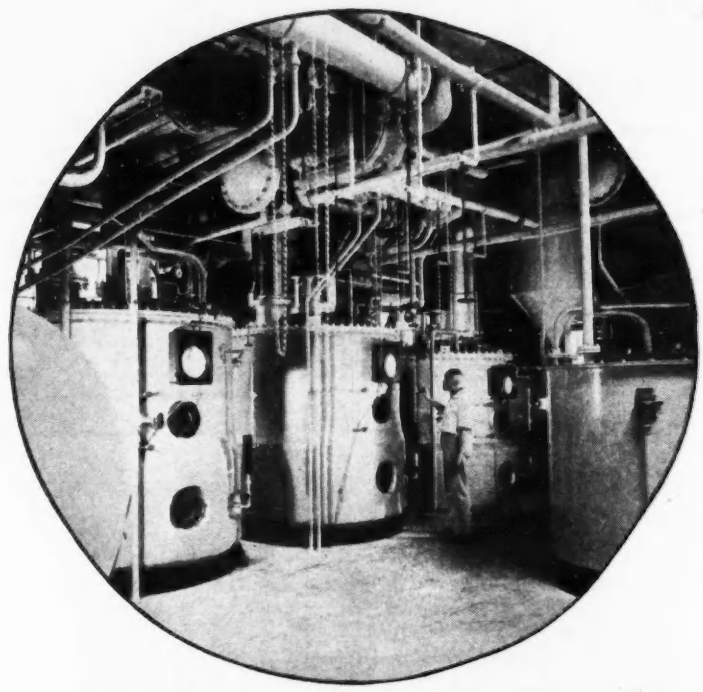
The most disturbing factor in the unsatisfactoriness of distribution is cost: at every place where it enters into the distributive operation it has increased, especially in promotion. Intelligent exploration of cost reduction has become imperative.

Distribution never did keep up with the progress and potentialities of production. The AMA conference is going to dig deeply into its possibilities; for production, to be profitable, must be assimilated, not accumulated.



. . . capacity is important

. . . but **purity** *is more important*



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Heavy Chemicals

Many price changes in heavy chemicals became effective at the beginning of the year and all were advances. The revisions as indicated in the accompanying market trend box are conservative and are in line with the higher costs of labor, raw materials and containers. The drift has been toward a works' price basis as transportation charges have advanced to a level sufficient to shift the freight rates in several instances to the buyer. Overall buying conditions have continued tight and probably will remain so indefinitely. The shortages are more emphasized in the heavy chemicals than in other directions. So far as the heavy classification is concerned there is considerably more demand than supply. In soda ash it looks as though consumers will be cut about 15 percent from last year. The outlook for caustic soda is described as somewhat better than soda ash with many consumers booked with the same tonnage as in 1946. Bicarbonate of soda is about two months behind on shipments and the tight position of basic material will probably keep the market out of balance for some time. There is a similar condition prevalent throughout the general soda group where production is regulated by the availability of soda ash. Chlorine is short at present under heavy buying. The open Winter until last week eased some of the urgency for calcium chloride but there are no reserve stocks and consumers are being fed from production direct.

Demand has exceeded the suply of glacial acetic and sulphuric acids. Prices for all grades of the former have advanced and a higher schedule for sulphuric acid would not be surprising. Export inquiry has been steadily mounting with most producers in no position to consider foreign business at present. Odd lots of resale stock occasionally reach the market with second hands asking premiums for any material available. Among the smaller chemicals, the supply situation is not so tight. The metallic based chemicals have scored the greatest advances as a result of rather violent upward revisions in copper, lead and zinc. It appears as though copper sulphate and zinc sulphate are in for a big year. The supply of zinc sulphate is expected to improve this month and nickel sulphate is said to be in much better supply than a year ago.

Paper production as a percentage of six-day capacity was 73.5 in the week ending December 27, according to the American Paper and Pulp Association. This compares with 103.0 the previous week and 102.7 percent a year ago.

Acetic Anhydride—October production attained the highest level for any of the first nine montths of 1946, according to the Chemical Division of the U. S. Tariff Commission. The total was 46,376, 409 pounds, compared with 41,209,257 pounds in September. The previous high was in January when 45,733,425 pounds were produced.

Alumina — A recent estimate by CPA indicated that 1946 production of aluminum in the United States will total 836 million pounds. While this is almost three times as much as was produced by the nation in 1938, it represents only about two-thirds of the rated annual capacity which is now approaching full production. The lag was caused primarily by reconversion problems incident to disposal of government - owned plants and readying these facilities for peacetime operation. It is probable that near-capacity production will develop in 1947, the OPA having recently estimated that actual production of new aluminum in the coming year may approximate 1,260,000,000 pounds.

Alumina Acetate — Higher prices were made effective for this chemical at the beginning of the year. The market for basic 24 percent solution in drums, works, is 11c. a pound, and 20 percent solution in drums, works, 10c. per pound.

Aluminum Scrap—A 69-percent increase in receipts of aluminum scrap during October sent the total to the highest point yet recorded during the Bureau of Mines survey—18,247 tons. Shipments to consumers increased from 11,518 tons during September to 13,402 tons during October and were distributed as follows: Sheet and clippings 5,057 tons, castings and other solid scrap 3,803 tons, machinings, borings, and turnings 1,653 tons, wrecked aircraft 1,031 tons, and the miscellaneous group 1,938 tons. Gains were registered in shipments of every classification of this metal. In addition to aluminum scrap shipped to consumers, 6,182 tons were shipped from dealer to dealer. Dealers' stocks on October 31 were 54,811 tons, an advance of 4,765 tons over the September 30 inventories and the only metal of which stocks increased during October.

Ammonia Aqua — Contracts have been written for the U.S.P. grade 26 degrees in drums, carlots, f.o.b. midwestern works at $3.25 per 100 pounds. The less than carlot price is $3.50 per 100 pounds, same basis. Drums are invoiced at $12.00 each for 55 gallon capacity and at $20.00 each for 110 gallon capacity and are returnable in good condition, freight prepaid.

Ammoniac Sal—White granular is held at higher prices. Carlots in barrels on contract are quoted at 4¾c. per pound and l.c.l. quantities at 5c. per pound. Both prices are f.o.b. the works. Imports last week amounted to 2,401 bags from Manchester, England.

Barium Chloride—Prices have been advanced although no new schedule has been released for publication to date.

Calcium Chloride—Selling schedule for 1947 is higher than 1946. Flakes are quoted on the basis of $23.50 per ton in paper bags, carlots in zone one and at $21.50 per ton in zone one A. The l.c.l. price is $26.50 and $24.50 per ton for zones one and one A respectively. Other grades are proportionately higher.

Calcium Hypochlorite — High test has been advanced to $24.00 per drum for 10 drum lots and upward to $28.50 for one or two drum lots. Material in cases covers a range from $19.75 to $21.50 per case. Prices are f.o.b. freight station destinations in the East.

Carbon Tetrachloride — Producers have quoted this chemical on a pound instead of a gallon basis. Technical in drums is held at 6c. a pound in drums for carlots in zone one and at 6½c. for smaller quantities. This represents an advance of approximately ½c. a pound.

Copper—In producing quarters it was stated that the tight supply situation in copper metal can easily be-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acetic acid, glacial, tankcars, 69c. per 100 lbs.
Alumina acetate, 1½c. per lb.
Ammoniac sal, white, 30c. per 100 lbs.
Calcium chloride, flake, $5 per ton.
Calcium hypochlorite, 2c. per lb.
Carbon tetrachloride, ½c. per lb.
Copper acetate, 2¾c. per lb.
Epsom salt, technical, 25c. per 100 lbs.
Formic acid, 2c. per lb.
Magnesia chloride, $5 per ton.
Oxalic acid, 1¼c. per lb.
Potash, carbonate, calcined, ¾c. per lb.
Potash carbonate, hydrated, ¼c. per lb.
Potash caustic, flakes, ½c. per lb.
Potash permanganate, U.S.P., 2c. per lb.
Potash permanganate, tech., 1c. per lb.
Soda silicate, 40°, tankcars, $2 per ton.
Soda sulphide, ½c. per lb.
Sulphur dioxide, 40c. per 100 lbs.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
188.7	185.8	183.2	168.9

Acids

Last week.	Prev. week.	Last month.	Last year
118.4	116.3	116.3	116.0

(For Current Prices see Page 9)

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come a serious shortage early this year and hamper industry as the year progresses. In October, 1946, deliveries to fabricators were 136,000 tons, of which only 65,000 tons were from domestic mines. Probably 25 per cent of domestic output was subsidized by the government. Of the remaining 71,000 tons delivered, 51,000 tons had been obtained abroad by Metals Reserve Corp. The remainder was from refinery stocks and scrap.

Copper Acetate—Recent advances in the metal and acetic acid have resulted in an upward revision in the price of copper acetate. The market is now quoted at 28c. per pound for barrels at the works.

Copper and Brass Scrap—Dealers increased their receipts of copper and brass scrap by 1,766 tons during October to a total of 39,174 tons, but in order to meet the heavy demand for this type of scrap were forced to draw on their stocks, the Bureau of Mines stated. The total tonnage shipped during October was 45,403 tons, a gain of 6,911 tons over September, and the largest amount of this material moved since June 1946. A total of 15,608 tons of copper and brass scrap was reshipped among dealers during October. Dealers' stocks of 67,157 tons of copper and brass scrap on October 31 were the lowest since April 30, 1946.

Epsom Salt—Technical crystals have been advanced ¼c. per pound. Carlots are quoted at 2.05c. and smaller quantities at 2.40c. to 2.50c. per pound in bags. Producers have discontinued making dry material except on special orders.

Lead and Tin Scrap—Lead and tin scrap group was the only one in which decreases were reported in receipts, shipments to consumers, and stocks, the Bureau of Mines stated. A drop of 6,274 tons in receipts placed the total received during October at 19,268 tons, the lowest amount received during any month since this survey was started. Shipments to consumers fell from 26,458 tons during September to 23,106 tons during October and were divided as follows: Battery lead plates 17,283 tons, heavy and cable lead 3,757 tons, drosses and residues 1,077 tons, and the miscellaneous group 989 tons. Shipments of battery lead plates and drosses and residues were lower this month, whereas slight gains were registered in the other two groups. Reshipments of lead and tin scrap among dealers during October totaled 6,775 tons. Stocks held by dealers on October 31 totaled 33,013 tons, compared with 36,851 tons on inventory at the end of September.

Magnesia Chloride—Prices have been advanced $5.00 per ton establishing the market for flakes at $37.00 per ton for carlots and at $44.00 per ton for smaller quantities.

Nickel Scrap—Bureau of Mines states that receipts of nickel scrap rose from 520 tons during September to 836 tons during October. Shipments to consumers of 1,010 tons were the highest ever reported on this survey, whereas stocks continued the downward trend started in June 1946 to total 1,631 tons on October 31.

Potash Carbonate — Higher prices were made effective at the beginning of the year. Calcined is held at 7¼c. per pound for barrels in carlots and at 7½c. for less. Hydrated is held at 5¾c. per pound for barrels in carlots and at 6c. per pound for less, all f.o.b. the works. The market has not relaxed from its tight supply condition. Demand has exceeded supply during most of the past year.

Potash Caustic—Regular grade 88-92 percent flaked has been advanced to 7½c. for carlots and solid to 6¾c. for drums, carlots. Small quantities are higher, depending upon the size of order. Liquid in tankcars is held at 3c. per pound and at 3¼c. per pound in drums. All prices are at the works.

Potash Chlorate — Maintenance of heavy consuming demand has overtopped current output and thrown the market out of balance. Shipments are behind schedule and the market opened the year in a definitely tight condition. The best price heard for carlots was 11c. a pound for crystals and 9¾c. for powdered. Smaller quantities are higher depending upon size of order. All prices are f.o.b. the works.

Potash Perchlorate—As far as can be learned all material for sale at 9¾c. a pound has been cleaned up. The lowest price heard in producing quarters was 10c. per pound for carlot shipments from works. Production is heavily sold ahead leaving the market in a very tight position.

Potash Permanganate — Producers have advanced prices. The market for technical is established at 20¾c. to 21c. per pound and U.S.P. at 22½c. to 23c. per pound, depending upon quantity f.o.b. the works. Consuming demand has been sufficiently active to prevent any surplus stocks although essential requirements have been covered on a fairly prompt basis.

Soda Ash—Producers have booked the major part of their output for 1947 shipment. Demand has exceeded plant capacity and the supply position opens the new year exceedingly tight. According to reports in producing quarters, consuming requirements will be cut about 15 percent. From present prospects, there is no easement of supply in sight, and it looks as though a tight market condition will continue indefinitely.

Soda Bicarbonate—Tight position of soda ash has kept output down and producers are about two months be-

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hind scheduled requirements. Demand is active and the market's position is definitely firm.

Soda, Caustic—No easement in buying conditions could be noted at the beginning of the year. Producers are heavily sold on contract and it appears that regular consumers in most instances will receive about the same tonnage as they did in 1946. The overall market position may be described as firm and tight.

Tin—Public purchases of tin, plus other controls on the metal, will continue throughout the first quarter of 1947 because these controls appear to offer the best plan to distribute tin equitably in the face of continued scarcity, the CPA stated. This clarifying statement has been issued by CPA's tin-lead-zinc branch because the recent elimination of import purchase controls on lead and copper have caused rumors of similar decontrol of tin. The controls which will continue in effect through March 31. 1947, are: import purchase of tin by the Government exclusively, the import restrictions on tin as contained in order M-63 and the domestic use and quota controls on tin as administered under the tin order (M-43). Production of tin in the Far East (the source of more than 90 percent of peacetime supply) is coming back very slowly, it was said. It was pointed out that much economic and social rehabilitation must be accomplished in many previously enemy-occupied areas before production will again approach prewar levels. From present information, CPA estimates that production will not meet unrestricted demands for tin until 1949.

Zinc Scrap—Dealers reported the receipt of 2,837 tons of zinc scrap during October, a decrease of 1,714 tons from the amount received during September. Shipments to consumers totaled 6,195 tons—a gain of 66 percent over September shipments. The distribution of shipments, which shows increases in all items, was as follows: Zinc metal scrap 1,439 tons, zinc dross 1,336 tons, skimmings and residues 2,112 tons, and die-cast scrap 1,308 tons. Stocks of 9,784 tons held by dealers on October 31 were the lowest since January 31, 1946, according to the Bureau of Mines.

Acids

Acetic—Glacial acetic acid is established at a higher selling level. Tanks are quoted at 7.62c. to 8.12c. a pound works for technical. Drums are held at 9.90c. to 10.20c. a pound works. U.S.P. in drums is quoted at 11c. to 11.55c. a pound works and C. P. at 13.20c. to 13.75c. a pound in drums works.

Formic—Prices have been advanced 2c. per pound. In producing quarters 12c. per pound was named for 85 percent in carboys for carlots at the works, and 12½c. per pound for 90 percent in carboys, carlots, at the works.

Muriatic—In producing quarters, the 18 degree commercial grade in sellers' tankcars was held at $18.00 per ton, 20 degrees at $20.00 per ton and 22 degrees at $22.00 per ton sellers' tankcars midwestern works.

Oxalic—Higher prices have been named by producers. The lowest figure heard for carlots was 13c. per pound works for barrels. For lots of 10,000 pounds 13¼c. was quoted and 14¼c. for smaller quantities at the works.

Sulphuric—According to trade reports, this market is slated for higher prices although no new schedule has been announced to date. Consuming demand is exceedingly active with shipments experiencing delays on account of tankcar shortage. Producing costs have been mounting and it is expected that the market's strong background will shortly be reflected in the trend of acid prices.

Baltimore, Jan. 3.—With the new year at hand, operations in sulphuric acid plants have been carried on quite leisurely, but with basic conditions about as they were during the previous week. Costs of handling and freight charges have tended upward, though sales prices have undergone no change, any modifications awaiting the turn of the calendar, when the rise in outlay may be reflected. There appears to prevail a disposition to defer price modifications until the new year has progressed, but much depends upon contract stipulations, with the outlook uncertain. Production of acid has proceeded in a fairly satisfactory manner, though the industry seems to expect modifications because of a general upward tendency in cost of operations.

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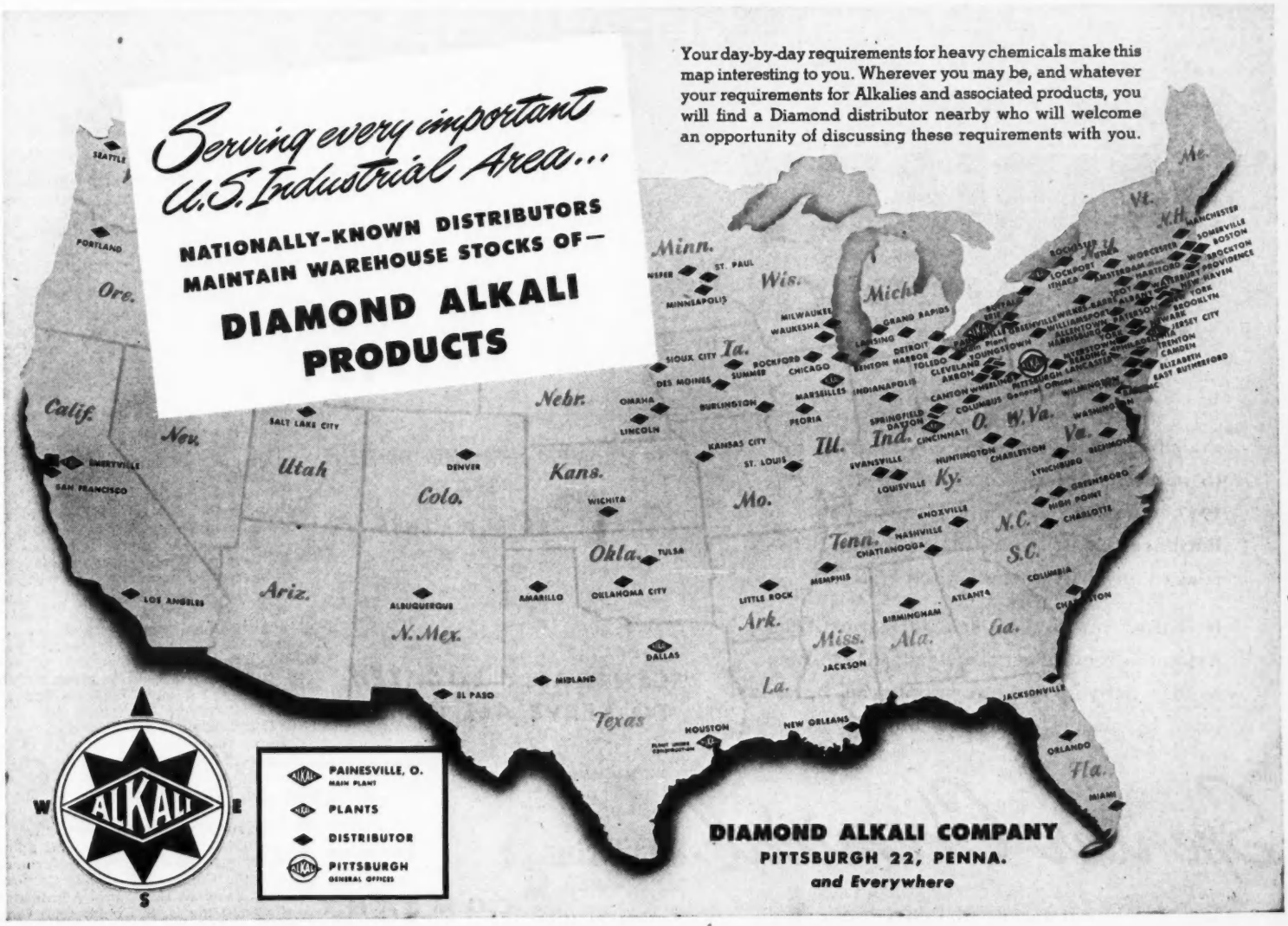

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Obituaries

Walter L. Bomer

Walter L. Bomer, a director and vice-president in charge of exports for the Bristol-Myers Company, pharmaceutical manufacturer, New York, died January 1, at his home in Brooklyn. Mr. Bomer joined the company in 1905, was elected vice-president in 1929, and director in 1942. He was a former president of the Export Managers Club.

Clarence B. Riker

Clarence B. Riker, founder and president of the Sydney Ross Company, pharmaceutical manufacturer, Newark, N. J., until it was acquired by Sterling Drug, Inc., died at his home in South Orange, N. J., January 2. He was eighty-three years old. Mr. Riker was chairman of the board of Sterling until he retired in 1941.

Robert S. McKay

Robert S. McKay, chairman of the board of the Dean & Barry Company, paint products manufacturer, Columbus, Ohio, died recently in that city after a long illness. He was seventy-five years old. His death followed by one week that of his son, George McKay, president of Dean & Barry, who was killed in an accident.

R. S. McKay started in the paint business in 1902 as a salesman for the Marietta Paint & Color Company. He eventually became vice-president and manager of that firm's Columbus branch. He and his associates purchased the controlling interest in Dean & Barry in 1923.

Mrs. Cornelia M. Patterson, widow of Charles L. Patterson, a former vice-president of E. I. du Pont de Nemours & Co., Wilmington, Del., died in that city December 28. She was eighty-three years old.

Richard A. Dittmar, chief engineer of the Universal Atlas Cement Company, New York, a subsidiary of the United States Steel Corporation, died in Brooklyn, N. Y., December 28. Mr. Dittmar joined the company in 1913.

Homer F. Wilcox, founder of the H. F Wilcox Oil & Gas Company, Tulsa, Okla., died in that city of a heart attack December 27. He was sixty-two years old.

Victor Chemical Creates New Post

Walter H. Weise, purchasing agent for the Victor Chemical Works, Chicago, since 1925, has been named director of purchases, a newly created post. Merton E. Jones, manager of priorities during the war, has been named purchasing agent, with Ferdinand G. Heyd as his assistant.

Wartime shortages and special requirements for the company's new phosphrous plant now under construction at Victor, Fla., were factors in making the decision to stress purchasing operations by the creation of the new post, according to Walter B. Brown, president of the company.

Int'l Minerals Offers Scholarships for College

The International Minerals & Chemical Corporation announces the establishment of several scholarships for residents in two of its most important plant communities, Polk County, Fla., and Eddy County, New Mexico. The scholarships will each amount to $600 annually towards a complete four-year college course.

Winners of the scholarships will be determined by local committees of educators, business men, employee representatives and company officials, but the company has stipulated that one in each community be granted either to an employee or the son or daughter of an employee.

Antitrust Law

—Continued from page 3

investigations of the extent and seriousness of concentration on an industry-by-industry and trade-by-trade basis. It is recommended that such investigations be centered in the FTC.

It is further recommended that the FTC undertake systematic and periodic review of the results of antitrust action taken by both FTC and the Department of Justice.

A program of joint action by the antitrust and small business agencies to reduce concentration and eliminate restrictive practices in those industries and lines of trade where concentration and restrictive practices are shown to represent the most serious threat to a competitive enterprise economy. It is recommended that responsibility for developing and supervising this program be placed on the Attorney General.

Presumably the issuance of an executive order on concentration policy would bring about a change in Budget Bureau policy. In any event, it is recommended that when appropriations requests for the FTC and the Antitrust Division are considered by Congress, the statement submitted to Congress include not only the amount recommended by the Budget Bureau but also the amount originally requested by the agencies involved.

It is recommended that the War Assets Administration change its policy on surplus plants by announcing by means of published regulation that a bid from a small business or from one not dominant in its industry, equal to the fair value of a surplus plant, be given preference over any bid submitted by a large company or from one which is dominant in its industry.

Where a piece of real industrial property is so large that it is not reasonable to expect that the anti-monopoly and small business objectives of the act can be complied with under the above, it is recommended that the WAA either divide up the property into smaller units and offer separate units for sale or lease, or sponsor an aggressive multiple tenancy field program by which parts of large plants are leased to a number of smaller industrial concerns.

It is recommended that an instruction be sent to all government agencies having authority to expend funds for research and development carried on by private companies, requiring that patent rights and know-how on the commercial application of that research be freely available to industry and not the exclusive property of the contractor.

The report advises that a joint committee of the senate and house be established to review existing legislation to determine wherein there is inconsistency with an effective policy against monopoly and restrictive practices, with particular attention to revising taxes so as to encourage independent business and reduce concentration, and consider the need for permanent legislation which will strengthen the present antitrust laws and make all segments of the economy now exempt from the antitrust laws subject to a unified government policy on concentration.

It is recommended that section 7 of the Clayton Act be amended to include acquisitions of assets and to prohibit mergers and acquisitions regardless of whether the company to be merged or acquired is in the same industry or another industry, if the effect would be to give the merged companies an opportunity to exercise preponderant economic power over smaller companies. In this connection, the FTC should be given authority to forbid such mergers and acquisitions above a specified size.

It is recommended that civil penalties be provided for a violation of the antitrust laws which would be proportionate to the illegal gains; for example, twice the monopoly profits.

Hagen Corporation, importer of vegetable oils, New York, has added to its staff Roy F. Perry, formerly with the Commodity Credit Corporation, Foreign Economic Administration, and the U. S. Commercial Company.

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'Normal Earnings' Redefined for Taxes

OPD Washington Bureau

A new statement of principles underlying concept of normal earnings as used in section 722 of the internal revenue act authorizing the granting of excess profits tax credits to taxpayers has beeen issued by the Excess Profits Tax Council.

Attention is called by the council particularly to affirmative statements or changes in its earlier statement of principles in relation to the following matters:—

(a) Adjustment of abnormalities whether favorable or unfavorable to the taxpayer and whether or not arising out of a qualifying factor.

(b) Consideration to be given to actual base period earnings.

(c) Determination of normal earnings under section 722 independent of other sections of the excess profits tax laws.

(d) Affirmative statement of objectives in constructing normal earnings.

(e) Statement of extent of development contemplated as an element of normal operations.

(f) Statement in relation to conditions induced by war.

In a lengthy statement of its current views with respect to the general principles underlying the concept of normal earnings, the council includes the following definition:—

As used here, the term "normal earnings" refers to that standard of earnings, on an annual basis, which the taxpayer ordinarily would have realized from its business activities under usual operating conditions during the base period or such other period as may be appropriate. It is synonymous with the phrase "constructive average base period net income." The amount of normal earnings is the "fair and just amount" to be employed "in lieu of the average base period net income otherwise determined."

The council has notified claimants for relief under section 722 of the internal revenue act to delay the filing of appeals on their claims with the council until all evidence has been submitted and passed upon by the field committees.

The council said that Section 722 claims frequently involve the propriety of assumptions respecting the taxpayer's business, local conditions and other factors entering into the determination of the constructive average base period net income. Whether or not such assumptions are justified will necessarily depend upon the reasonableness of such assumptions in the list of facts and circumstances relied upon by the taxpayer.

Nelson and Falcon Form Own Firm

Atlantic Commodities Ltd. has been formed in New York, with offices at 92 Liberty street, to distribute industrial and fine chemicals, petroleum products, naval stores and spices. Organizers are M. A. Nelson, formerly export manager for United Naval Stores Company, New York, and Arthur Falcon, formerly assistant export manager for M. Rothschild & Co., also New York.

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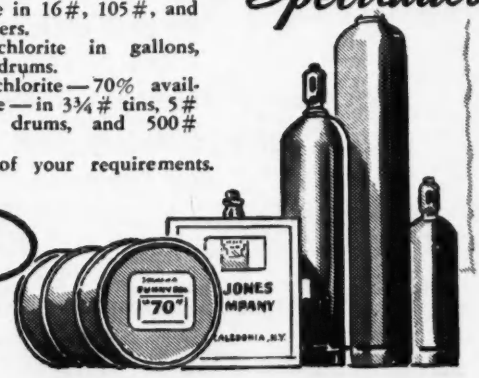

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President Officially

—Continued from page 3

the drawback of distilled spirits taxes now allowed to drug manufacturers and producers of flavoring extracts. The drawback of $6 per gallon now allowed under the law is reduced to $3.75 per gallon.

Among the powers of the President or provisions of law that were affected immediately by the proclamation were the following:

Authority to seize plants, mines or facilities under section 9 of the Selective Training and Service Act. (Under Section 3 of the War Labor Disputes Act the authority of the government to operate any seized property terminates at the end of six months from the date of ending of hostilities, and thus the coal mines must be returned to their owners by July 1.)

Right of corporations to deduct from taxes certain contributions authorized in Section 23 (q) (2) of the Internal Revenue Code.

Section 124 of the 1944 tax law applying the percentage depletion allowances of existing law to production of flake graphite, vermiculite, potash, beryl, feldspar, mica, talc, barite, lepidolite, and spodumene. These deductions will no longer be allowed for any taxable year beginning after December 31, 1946.

Among the statutes affected in six months were the Act of May 29, 1943, authorizing the Secretary of the Interior to defer or waive payments under nonmineral leases of public lands in Alaska; Act of February 29, 1944, authorizing the appointment of an additional Assistant Secretary of the Interior, and the Act of July 12, 1943, authorizing the leasing of silver by the Treasury for industrial uses.

Among the statutes affected in one year or less was the Act of May 3, 1943, permitting the suspension of annual assessment work on mining claims held by location. Expires on the first day of July after the cessation of hostilities.

Among the statutes affected in more than one year were the following:

Act of July 1, 1944, providing that it shall be unlawful to secrete or destroy certain records by war contractors and purchasers until five years after the termination of hostilities.

Surplus Property Act of 1944. Unless extended by law, this act expires at the end of three years following the date of cessation of hostilities.

Contract Settlement Act of 1933 which suspends the running of any existing statute of limitations applicable in certain cases involving the defrauding of the government until three years after the termination of hostilities.

Act of December 8, 1944 authorizing the appointment of two additional Secretaries of State for a period not to exceed two years following the cessation of hostilities.

Act of October 2, 1942 authorizing the Secretary of Agriculture and the Commodity Credit Corporation to use funds to support the prices of basic and nonbasic agricultural commodities during the two-year period beginning with the first day of January immediately following the cessation of hostilities.

Section 780 of the Internal Revenue Code providing for postwar excess profits tax refund bonds to mature on the last day of the second, third, fourth, or fifth year beginning after the cessation of hostilities.

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Textile and Leather Chemicals

While trading reflected the usual holiday quietness, the market for sizing materials was featured by an active demand for export. Considerable quantities of potato starch were reported booked for shipment to Europe and to the Far East. Domestic users continued to take the production of corn starch and dextrin against former orders, with the result that offerings of resale material were scarce. Trading on tapioca flour was reported quiet on the spot and for shipment from Brazil. Exportation of manioc flour from Brazil, which was prohibited, may now be exported subject to license. Applications for export licenses should be made to the export-import department of the Bank of Brazil.

Consuming interest in egg albumen continued slow, and with supplies heavy, the market was easy and quotations were sharply reduced. Egg yolk, however, remains firm with stocks reported light and well held.

Announcement of the quotas and prices by the Argentine government for the shipment of quebracho extract was expected momentarily according to last reports. Applications for shipment were reported filed ten days ago and the granting of export licenses was awaited. Tanners continued to center interest in replacements of quebracho extract and wattle bark and extract, while other materials attracted little attention. Wattle extract was firm and offerings for Africa stated that the mangrove bark was stronger and shipments were shipment were scarce. Reports from sharply higher.

Chemicals

Bichromates—Inquiry continued active for shipment over the first quarter of 1947. The market was firm, with some business reported at recently announced higher prices for next year delivery.

Prussiates—Market was quiet last week, with occasional sales reported for early next year delivery. Quotations were firm and unchanged.

Soda Acetate—Quotations announced for 1947 were unchanged and firmly maintained. Inquiry for next year was quite active. Anhydrous was quoted at 8½c. to 10c. per pound, drums, works, and technical 60 percent at 5½c. to 6½c. per pound, barrels, same basis.

Sulphonated Oils—Firm conditions continued to feature this market. Difficulty of obtaining castor oil limited deliveries of this grade. Demand for early year's needs was fairly active. Other vegetable and animal oils also were scarce and firm at current levels.

Sizing Materials

Albumen, Blood—Buying interest was reported quite active for shipment over the first quarter of 1947. Market was strong at former quotations. Stocks of albumen and dried blood were said to be light.

Albumen, Egg—This market continued easy under liberal supplies and poor demand. Prices were weak and lower. Granular was offered at $1.68 to $1.73 per pound, barrels, according to quantity. Scarcity of sugar resulted in reduced consumption and increased supplies. Dried egg production totaled 2,271,000 pounds, compared with 159,000 pounds in November last year. Output consisted of 2,182,000 pounds of whole dried egg, 83,000 pounds of dried albumen and 6,000 pounds of dried yolk. Department of Agriculture purchased 3,457,875 pounds of dried egg for December delivery. Purchases of dried egg through December 19 for January delivery totaled 1,251,835 pounds. Liquid egg output during November totaled 10,139,000 pounds, compared with 2,304,000 pounds in November last year. Of the total production 6,926,000 pounds were used for drying, 2,498,000 pounds were frozen and 715,000 pounds were for immediate consumption, compared with 276,000 pounds dried, 1,313,000 pounds frozen, and 715,000 pounds used for immediate consumption in November last year.

Dextrin, Corn — Steady demand against contracts continued to absorb the output as fast as available. Deliveries were reported from two to three weeks behind schedules. Market was steady at former quotations.

Egg, Yolk—Stocks were reported limited and the market was firm. Inquiry was moderate for immediate needs. Prices were well held at $1.15 to $1.20 per pound, barrels, according to quantity. Production totaled 6,000 pounds during November, compared with 38,000 pounds in the same month last year.

Starch, Corn—Consumers promptly took the production against former orders, and supplies for resale were limited. Inquiry was active for early delivery next year. Prices were unchanged and steady.

Starch, Potato—Heavy demand for export of late has accounted for about 2,000 tons of starch, the bulk of which was for shipment to European points. Reports from Maine indicated production sold well ahead with grinders behind in their deliveries and unable to book additional business. A good portion of the Idaho production was reported sold for February and March shipment. Prices were unchanged and steady on the spot, ranging from 7¼c. to 8.10c. per pound, bags, depending upon quantity.

Tapioca Flour—Moderate trading was noted for medium grades at 7½c. per pound, f.o.b. Brazil, last week, while other grades were inactive. Ocean freight rates from Brazil were advanced 15 percent, effective January 1. The better grades were reported in limited supply and nominal at 11c. per pound, f.o.b. Brazil. Low types were nominal at 5¼c., same basis. Trading in the local market was slow with prices quoted at 6¾c. to 14c. per pound, according to quality and quantity on the spot. Imports totaled 1,940 bags at New York for delivery on former orders. Brazilian edible mandioca flour and flake, which have been prohibited from exportation, may now be exported subject to license.

Tanning Materials

Chestnut Extract—Trading was quiet. Inquiry for early next year delivery was fairly active. Prices were steady and unchanged.

Divi-Divi—Offerings for shipment were light and well held. Trading was reported slow as tanners showed little interest in replacements.

Mangrove Bark—Arrivals of 1,000 bags of extract were noted at New York last week and delivered on previous contracts. Business continued quiet. Prices for shipment were advanced sharply to $65 per ton, ex dock, with tanners showing little interest at this figure.

Myrobalans—This market was dull. Buying interest was still light. Offers for shipment were liberal at former nominal quotations.

Quebracho Extract—Quotas and export licenses for the shipment of quebracho extract from Argentina were expected to be announced momentarily by the Argentine government. Arrivals of 1,500 bags of extract were noted at New York last week and were consigned against contracts made before the Argentine government took control of shipments.

Tara Powder—Some 625 bags of powder was received at New York last week and delivered to consumers against prior orders. Offerings for shipment continued light and primary markets were reported firm.

Valonia—Tanners' interest in replacements continued slow. Market was entirely nominal. Offerings for shipment were liberal.

Wattle Bark—Imports of bark totaled 1,670 bales and 19,310 bags of extract at New York last week for delivery on previous contracts. Consuming inquiry was keen, with offerings for shipment reported limited. Primary markets were firm and ocean freight rates were scheduled to advance $3 per ton, January 1.

Market Trends

Prices Advanced

None

Prices Reduced

Egg albumen, 7c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.6	294.5	292.8	308.0

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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THE BARRETT DIVISION, Allied Chemical & Dye Corporation, announces the following new list prices on Coal Tar Solvents effective at its bulk stations January 6, 1947. These prices are in cents per gallon and apply to tank wagon deliveries of 50 gallons or more and to returnable drum shipments, delivered to customer's plant at all points within Seller's trucking zone.

Station		Industrial Pure Toluol	Industrial Xylol	Hi-Flash Solvent
Boston	(A)	29½c	29½c	33½c
Buffalo	(B)	29 c	29 c	—
Chicago	(C)	29 c	26½c	31 c
Cincinnati	(D)	30 c	30 c	32 c
Cleveland	(D)	30 c	30 c	32 c
Detroit	(C)	29 c	29 c	31½c
Indianapolis	(B)	29 c	29 c	—
New York	(A)	29½c	29½c	33½c
Philadelphia	(A)	29½c	29½c	33½c
St. Louis	(C)	29 c	29 c	30 c

Special notes:

(A) 2c per gallon under list price for tank wagon deliveries of 250 gallons or more. Prices in returnable drums for points outside of Seller's trucking zone are 1½c per gallon under list, F.O.B. station; drums extra and returnable at Buyer's expense.

(B) Prices apply only to tank wagon deliveries.

(C) Prices in returnable drums for points outside of Seller's trucking zone are 1c per gallon under list, F.O.B. Seller's station; drums extra and returnable at Buyer's expense.

(D) Prices in returnable drums for points outside of Seller's trucking zone are 2c per gallon under list, F.O.B. Seller's station; drums extra and returnable at Buyer's expense.

No change in Benzol prices at this time.

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Coaltar Chemicals

Steel production made a substantial recovery last week to 87.7 percent of ingot capacity. This is the highest level since November 18 just prior to the soft coal strike. While coaltar output has increased there was no indication of easement in the overall supply situation of coaltar chemicals. Benzol was in tighter supply at the close than at the beginning of the month with demand active for home and export. Creosote oil stocks were kept down under heavy shipments for wood processing. Output of coaltar and pitch has moved too rapidly into consuming channels to permit any surplus and this same condition prevailed in cresylic acid. Consumers of naphthalene have called for more material than can be produced at present. The sold ahead condition of phenol has kept stocks from reaching the market. Solvent naphtha and toluol were available although stocks of the latter were not as free as noted at the beginning of December. Xylol has not been in free supply although stocks were sufficient to keep the market in balance. No new price changes were recorded in the basic coaltar chemicals at the turn of the year.

Advances were registered in several of the intermediates effective January 2. These included anthranilic acid resublimed, betanaphthol technical, catechol, orthodichlorobenzene, resorcinol technical, resorcinol U.S.P. and trichlorobenzene. The revisions were due primarily to increased producing costs. Dyestuffs were exceedingly firm under the strengthening influences of basic materials.

Steel operations for the week beginning December 30 were scheduled at 87.7 percent of ingot capacity, compared with 72.8 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 60.2 percent. The present schedule is equivalent to the production of 1,545,600 net tons of ingots and castings, compared with 1,283,000 tons for the preceding week and 1,476,300 tons for the corresponding week in 1945.

Production and supply figures given below unless otherwise designated are from the Chemical Division of the United States Tariff Commission and relate to tar distillers' products.

Basic Products

Benzol—Market conditions remained firm at the beginning of the month. Output showed improvement but not sufficiently to place the market in free supply. Demand was active both for home and export while prices were unchanged. Production of the motor grade in October was placed at 810,345 gallons, against 572,921 gallons in September. Production of all other grades amounted to 1,208,508 gallons in October, compared with 1,423,526 gallons in the preceding month.

Creosote Oil—Maintenance of heavy demand for wood processing has kept the supply position tight. Prices were firm but unchanged. Production in October registered 12,202,721 gallons, compared with 11,142,216 gallons in September.

Cresylic Acid—Production of refined in October was placed at 2,455,799 gallons, compared with 2,283,728 gallons in the previous month. The supply condition continued definitely tight with the miscellaneous consuming demand showing no sign of easement. Importations of 1,327 drums were noted from the United Kingdom last week.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended December 27 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	829,920
Ammonia sulphate	lbs.	21,490,560
Benzol	gals.	2,708,160
Coaltar	gals.	10,046,000
Creosote oil	gals.	559,104
Naphthalene, crude	lbs.	1,327,872
Phenol	lbs.	157,248
Toluol	gals.	641,632
Xylol	gals.	122,304

Market Trends

Prices Advanced

Anthranilic acid, resublimed, 80c. per lb.
Betanaphthol, technical, 2c. per lb.
Catechol, 10c. per lb.
Orthodichlorobenzene, ½c. per lb.
Resorcinol, technical, 4c. per lb.
Resorcinol, U.S.P., 10c. per lb.
Trichlorobenzene, 2½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
131.7	130.8	131.0	127.3

(For Current Prices see Page 9)

Naphthalene—No relaxation from the tight position of this market could be noted. Demand was active for crude with the manufacturers of phthalic anhydride calling for more material than producers can supply. Demand for household grades was also sustained at an unusually high level. Production of crude in October amounted to 17,351,924 pounds, compared with 17,203,040 pounds in September. Output of refined was 8,752,881 pounds in October, against 8,154,983 pounds in the preceding month.

Phenol—Output of technical and U.S.P. in October amounted to 18,369,252 pounds, compared with 23,734,526 pounds in September. Production has remained heavily under contract with the overall supply condition definitely tight.

Solvent Naphtha—Production of refined light solvent as a byproduct from coke-ovens in October was up 2.2 percent at 42,578 gallons, compared with 41,675 gallons in September. Production for ten months in 1946 was 335,093 gallons. Output of crude heavy solvent was up 2 percent at 386,435 gallons in October, against 385,855 gallons in the preceding month. Production for ten months amounted to 2,865,141 gallons. Stocks at the end of October amounted to 61,775 gallons of light solvent, against 47,297 gallons on September 30. Supplies of heavy crude were 307,768 gallons on October 31, compared with 251,101 gallons at the close of the preceding month, according to the Bureau of Mines.

Toluol—October production, including that made from petroleum, amounted to 2,444,278 gallons, against 1,270,104 gallons in September. Buying interest increased during the past month and although prompt shipments were available, the market was not in as free supply as formerly noted. A new schedule for petroleum toluol has been announced, naming prices at various delivery points.

Xylol—Production has been keyed to meet demand and the market throughout the last quarter has been kept in a satisfactory degree of balance. Prices were firm with shipments available on a reasonably prompt basis. Prices for petroleum xylol have been named for delivery points.

Chicago, Jan. 3.—Buying of coaltar bases over the yearend held little change, while the indicated interest as expressed in inquiries was holding up well. Tone of the market was firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon 17c. per gallon; 2-degree toluol, same basis, 22c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

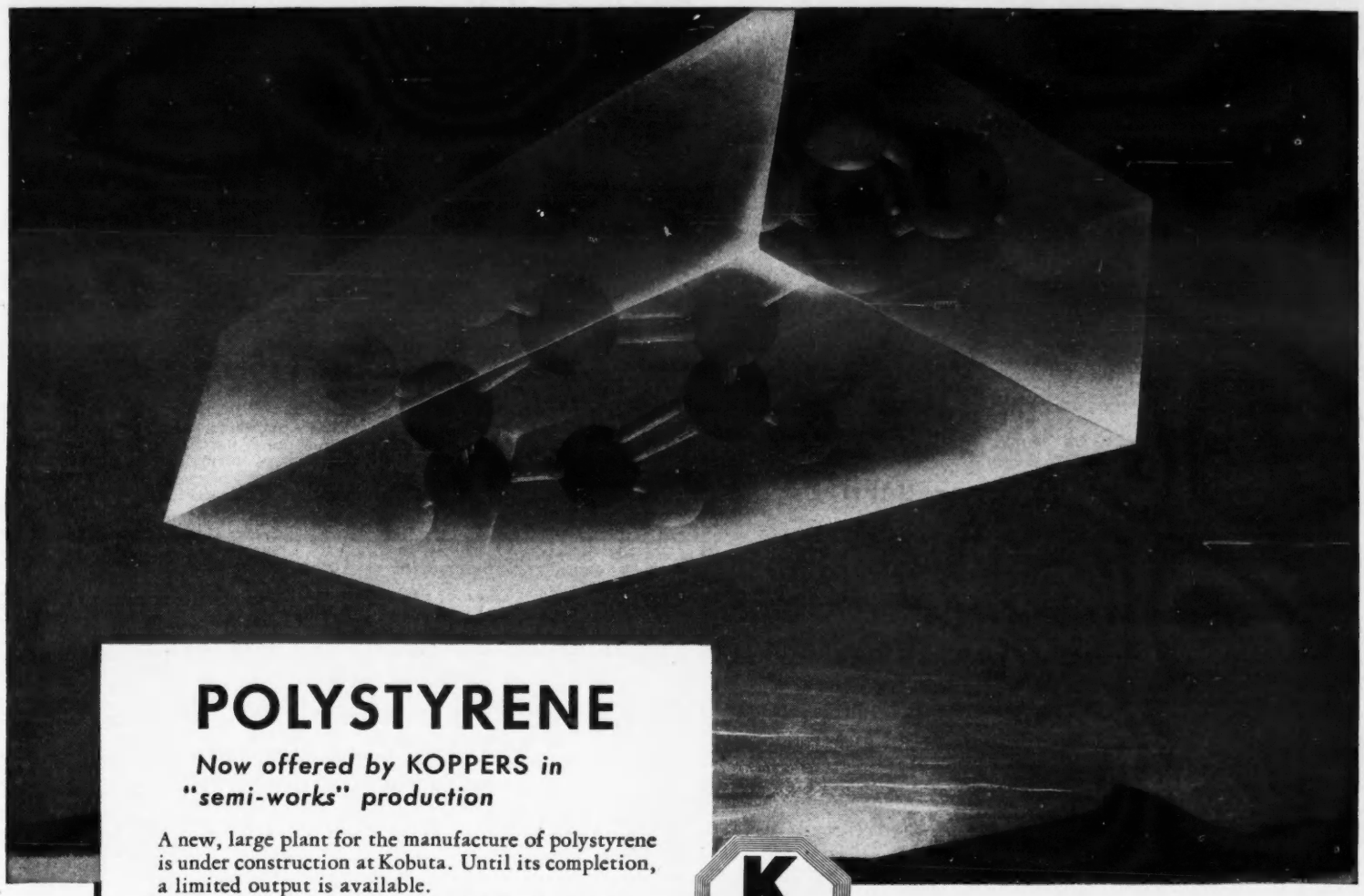
No price changes were announced at the beginning of the year. The market supply has been gradually growing tighter during the past month as a result of cutback production and an increase in buying interest. Conditions in benzol and phenol have been factors contributing strength to come of the major solvents under this classification.

Coaltar Acids

Anthranilic—Higher prices have been established for resublimed acid. The lowest price named was $2 per pound with a range to $2.30 per pound, depending upon the quantity. The technical grade was quoted at 90c. per pound.

Cleve's—Production reported moving mostly to regular consumers. The market is firm at 65c. per pound for 1:6 and $1 per pound for 1:7.

For Late Market Developments, See Page 4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Fumaric—Buying conditions appeared about as tight at the close as at the beginning of the year. Consuming demand has overtaxed production and kept the supply position definitely tight. The market was firm but unchanged at 27c. per pound and up to 28c. per pound.

Gamma—Firm at the recent advance. Contracts were held at 97c. per pound. Production finding an outlet chiefly to manufacturers of dyestuffs.

Malic—Stocks short with market firm. The market was quoted at 47c. a pound which is the same price current over 1946.

Maleic—No easement in supply conditions could be noted. Demand from the synthetic resin industry continued active and unsatisfied. The market for the anhydride was firm but unchanged at 25c. per pound for carlots and at 26c. per pound for smaller quantities.

Tobias—Continued in short supply and firm at the recent advance. Suppliers named 60c. per pound for barrels.

Other Intermediates

Anilin—Prices were unchanged at the beginning of the year for both oil and salt. Steady miscellaneous demand for anilin oil has kept stocks low with plant shipments confined to domestic channels. Anilin salt appeared to be in somewhat better supply than the oil.

Betanaphthol—Prices have responded to the increased cost of production and prices for the technical grade are higher. The market was quoted at 23c. to 25c. per pound.

Catechol—Consuming demand was reported heavy at the turn of the year and prices have been advanced to cover increased costs of manufacture. Supplies have been maintained at a level to meet demand on a reasonably prompt basis. The market for crystals C.P. was quoted at $2 per pound, works.

Orthodichlorobenzene — Higher prices have resulted from the maintained strength in benzol and chlorine. Producers' prices for carlots in drums range from 7½c. to 8c. per pound and at 8½c. to 11c. per pound for less.

Phthalic Anhydride—Short stocks were noted at the beginning of the year. Consuming demand has exceeded production during the greater part of 1946 and buying conditions have given no sign of easement. Prices were unchanged but firm at the former selling level.

Resorcinol—Stocks have been able to meet demand and appear sufficient to cover reasonable requirements over the first quarter of 1947. The mounting costs of production have forced the market to a higher selling basis. Technical is quoted at 68c. per pound, and U.S.P. crystals at $1.70 per pound, works.

Trichlorobenzene—Increased costs of raw materials have resulted in an advance in the market price for this intermediate. Suppliers name 10½c. per pound for carlots in the eastern area, and 11c. to 14c. per pound for smaller lots. On the West coast 1c. above these prices was quoted.

Coaltar Colors

Buying conditions continued tight with demand active for home and export. Shortages and higher prices for raw materials have kept production down and the supply situation is definitely firm in all classifications. Output has been channeled almost entirely to domestic consumers, leaving the export inquiry unsatisfied.

United Kingdom's exports of dyes in the first nine months of 1946 were almost double in both quantity and value those in the like period of 1945, and more than double in quantity and four times greater in value than those of three-fourths of 1938, according to the British Board of Trade. In January-September, 1946, they amounted to 119,841 hundrewweight (one hundredweight equals 112 pounds), valued at £3,407,861, and in the first nine months of 1945 to 62,340 hundredweight, worth £1,825,025. The 1938 nine-month figure was 53,073 hundredweight, valued at £796,311.

Levi to Leave Socony

Laurence B. Levi, director of the Socony-Vacuum Oil Company, New York, and chairman of its foreign trade committee, will retire December 31 after forty-eight years' service.

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H.L. Brooks Buys De Markoff Co.

Herman L. Brooks, former president of Coty, Inc., and of Coty International Corporation, has announced purchase of Alexandra de Markoff Company and affiliated companies. Martin de Maroff, founder of the cosmetic and perfume business, will continue to assist in the packaging, designing and creating of new products.

Mr. Brooks, who for ten years was president of the Toilet Goods Association, is now president of the New York Board of Trade. He was with Coty for more than twenty-five years.

AMA Marketing Conference Jan. 9-10

The American Management Association will conduct a marketing conference at the Commodore hotel, New York, January 9-10, according to an announcement of Alvin E. Dodd, president of the association.

Among the speakers will be A. A. Stambaugh, vice-president of the Standard Oil Company of Ohio, Cleveland, and vice-president of the association's marketing division; Murray Shields, vice-president of the Bank of Manhattan; Joel P. Dean, professor of economics at Columbia University; Dr. Vergil D. Reed, associate director of research; J. Walter Thompson Company; A. N. Seares, vice-president, Remington Rand, Inc.; Frederick B. Heitkamp, vice-president of the American Type Founders, Inc., and J. B. Lathrop, president of Barrington Associates.

Trade Briefs

Bryce Gray, former first lieutenant in Army Air Force, has joined the advertising department of the Pennsylvania Salt Manufacturing Company, according to Sydney L. W. Lea, advertising manager for the company.

Best Foods, Inc., New York, has elected B. F. Nelson, director of purchases, to the post of vice-president in charge of purchases. Albert Brown, director of advertising and merchandising, becomes vice-president in charge of advertising and merchandising.

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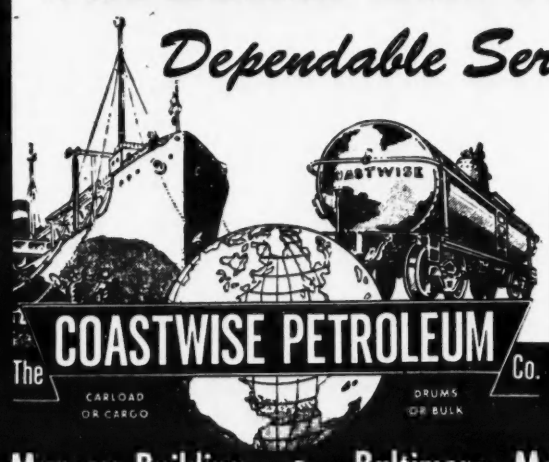

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Agricultural Chemicals

Short stocks predominated in agricultural chemicals at the turn of the year. Demand has exceeded supply during the entire period while various setbacks have prevented domestic production from reaching goals set. It is asserted that a good part of the loss of output has been borne by the export program. After allowing for export commitments which were postponed this Fall and must be fulfilled from the domestic supply during the period December, 1946, through June, 1947, 310,000 tons of ammonium nitrate will be available during the seven months for distribution in the United States and Puerto Rico. This is the same tonnage which was available during the corresponding period of last season. Shortage of freight cars is a bottleneck for all phases of the fertilizer industry. Particularly short are tankcars for the nitrogen program and boxcars for phosphate rock and potash. The coal strike gave a set-back to the production of nitrogen for fertilizer, although it is too early to appraise accurately the extent of these set-backs. Slightly larger quantities of phosphates and potash are expected to be available for American agriculture during the current fiscal year than were available last year. According to the Department of Agriculture, industry representatives recommended that importation of potash be encouraged and that such imports be outside the present domestic potash allocations. Government representatives indicated that such permission could be granted to importers upon specific request.

Price changes last week included an advance in domestic and imported nitrate of soda and ammonia-lime-nitrogen compound. Both sulphate of ammonia and superphosphate were exceedingly firm but revealed no price changes to date. Packing-house byproducts commanded more attention, with feeders eager to take dried blood and tankage at top prices. No castor pomace came out and limited offerings of bone meal were readily absorbed at former price levels. Buyers kept shy of fish meal and the feeling was a shade easier in some grades.

Uncertainty featured the supply situation for insecticides and fungicides. The arsenicals were strong and so were all the metal based chemicals. One of the leading producers of DDT has cut the price 2½c. a pound for carlots, thereby establishing a new low level for this insecticide.

Market Trends

Prices Advanced

Ammonia-nitrate-lime, 50c. per ton.
Soda nitrate, domestic, bgs., c.l., works, $5.45 per ton.
Soda nitrate, imported, $3 per ton.

Prices Reduced

DDT, technical, carlots, 2½c. per lb.
Fish meal, 65% protein, $5 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.3	72.1	72.1	71.8

(For Current Prices see Page 9)

Nitrogenates

Ammonia - Nitrate - Lime — Higher prices are effective for this material. The market for bulk is $29 per ton and carlots, in bags, at $33 per ton. Both for shipment f.o.b. works.

Ammonia Sulphate—Stocks are short at present with more demand than supply. Market position firm with prices unchanged. An importation of 1,211 bags was noted from Liverpool.

Bone Meal—Feeders were in the market for this material. Offerings were not liberal but top prices were paid for available stocks.

Dried Blood—Sales were reported at former price levels. There was not much offered, but feeders took all material made available.

Hoof Meal—Buyers bid $9 per unit-ton for this material without dislodging any stock.

Soda Nitrate—Domestic soda nitrate has been advanced to $32 per ton for bulk and $35.50 per ton for 100-pound bags, carlots, f.o.b. the works. Imported nitrate was up $3 per ton at $41.50 in bags at Atlantic, Gulf and Pacific warehouses. Bulk was held at $38.50 per ton. Market remained tight with demand exceeding the supply.

Tankage—Former prices were sustained with trading restricted by short stocks. Feeders were more anxious to build up inventories.

Phosphates

Phosphate Rock—Tight supply conditions continued in evidence at the beginning of the year. Maintenance of heavy demand for home and export combined with increased producing costs has created a firm market position. Boxcar shortage has caused some irregularity in the movement from mines to acidulators.

Superphosphate—Inquiry continued active and far enough ahead of the available supply to keep the market in a tight position. Higher producing costs brought about by the strength in phosphate rock have given the market a firm background and led to some talk of higher prices. It is stated that producing plants are experiencing more difficulty in securing sufficient quantities of raw materials than they are with labor.

Potashes

Market position firm with the movement under government regulation. While production has been heavily allocated there is considerable inquiry in the market for additional quantities. Fertilizer mixers have taken shipments readily and there appears to be practically no resale stock available at present.

Alsatian production of crude potash salts increased to 332,000 metric tons in September, 1946, compared with 275,000 in the like period of 1938, and manufacture of refined salts increased to 88,000 tons in September, 1946, from 63,000 in September, 1938, according to the foreign press.

Markets at Other Centers

Baltimore.—Fish Scrap.—Operations of the menhaden fishing boats are virtually over for the season with a resumption of work depending mostly upon the state of weather. No considerable addition to the supply of scrap is to be counted upon, with the vessels that have been active off the North Carolina coast taking a vacation. There are no reports of further sales of any volume, and the season is regarded as virtually over. Such transactions as may take place from scrap piled upon in warehouses will probably be channeled to the Middle West to be turned into meal for poultry and live stock feed, with the quotation established on the basis of $2 per protein unit.

Los Angeles.—The supply picture in this area remains dark. Most sales are made on a when and if basis. Demand for all chemicals remains excellent. Distributors of ammonia nitrate predict a serious shortage of that chemical in this area. The reason, trade reports say, is that the government is taking 28,000 tons of that material from allocations slated for three Pacific coast states for shipment to foreign countries. The bite will come from 66,000 tons of ammonia nitrate which was ear-marked for shipment to Calif., Oregon and Washington from Canada. Ammonia nitrate is quoted at $65.00 per ton with freight allowance up to $4.40 per ton from production point.

Insecticides

Supply prospects at the beginning of the year are uncertain and depend largely on the extent of labor difficulties, availability of raw materials and transportation problems. The overall price structure is firm with the copper, lead and zinc insecticides sensitive to metal fluctuations. The arsenicals are among the strongest items because of the shortage and high prices of white arsenic. The movement of copper sulphate has been heavy and started during the last quarter with sizable shipments to northern New England. Importations of rotenone during September were 60 percent above August arrivals and more than ten times greater than in September, 1945. Stocks in 1947 will depend on developments in Peru, the major supply source. DDT has opened the new year at lower prices. Nicotinic sulphate stocks are short with the present outlook decidedly uncertain.

Carlot prices for DDT, the technical grade, have been reduced 2½c. per pound by a leading producer, establishing the market at 42½c. Smaller lots are quoted at 45c., and less than ton lots 48c. per pound.

The Australian Government is encouraging the production of nicotine sulphate from nicotiana rustica, according to the Ministry of Commerce and Agriculture. This chemical has been supplied principally by the United States. It would be necessary to produce at least 800 acres of nicotiana rustica in 1946-47 to provide sufficient nicotine sulphate for pest control of essential crops in that season. The Commonwealth Government is assisting several chemical companies in undertaking production of this insecticide material, and one firm is seeking to make contracts with farmers willing to grow nicotiana rustica.

Sulphur and Pyrites

Stocks of sulphur were ample to meet requirements at the turn of the year. Consuming demand of normal dimensions was reported for domestic, while inquiry for export was moderate with a tendency to increase regardless of the advance in price recorded during the last quarter. Suppliers face the same possibilities of transportation bottlenecks that confront other producers of heavy chemicals where boxcars are essential for distribution. Pyrites was firm but unchanged.

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For Late Market Developments, See Page 4

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FINE CHEMICALS

Drugs and Fine Chemicals

A flood of price advances came to the drug and fine chemical market with the arrival of the new year. Some were new announcements and others had been announced some time back for change on January 1. All seemed to bear a relation to the higher cost of raw materials.

In addition to those actually developed, others were the subject of market comment that showed producers in some instances were thinking in terms of higher prices to come. Bromides came within this latter group. Borax and boric acid seemed due to be affected by the coming advance in freight rates. No change was made in January prices on either butyl acetate of alcohol when made in Illinois and Indiana. Industrial alcohol producers began the new year with the knowledge that on July 1 the revenue tax will drop to $6 per proof gallon. On December 31 the President proclaimed the end of hostilities. Under the law six months after the official end of hostilities the war-time alcohol tax of $9 automatically reverts to $6.

The general undertone in the market was one of strength at the turn of the year. Production costs have risen in most instances and with all price controls removed save those on sugar, rice and rents, manufacturers show every intention to adjust prices to a proper relation with the cost of manufacture. However, there seems to be no intention to raise prices arbitrarily all along the line.

Given reasonable freedom from strikes in general and total freedom from strikes in the basic steel and coal industries, good reason exists for expecting production of drugs and fine chemicals to run at high levels in 1947 that the consumption needs of the nation may be met.

Market Trends

Prices Advanced

Acid, tannic, technical, 22c. per lb.
USP, fluffy, 12c. per lb.
powder, 12c. per lb.
Acetamide, technical, 5c. per lb.
Acetonitrile, 10c. per lb.
Aldol, technical, 2c. per lb.
denaturing grade, 10c. per lb.
Amidopyrene, 50c. per lb.
Aminoacetic acid, U.S.P., 25c. per lb.
Castor oil, U.S.P., 1½c. per lb.
No. 3, technical, 1½c. per lb.
Cincophen, heavy, 50c. per lb.
standard, 50c. per lb.
Crotonaldehyde, 3½c. per lb.
Paraldehyde, technical, 1c. per lb.
U.S.P., 5c. per lb.
Soda cinchophen, $1.25 per lb.
Sucrose octa-acetate, denaturing, 5c. per lb.
technical, 5c. per lb.
Vinyl acetate, ½c. per lb.

Prices Reduced

Menthol, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
248.3	248.6	250.6	206.9

(For Current Prices see Page 9)

Acetaldehyde — One producer has advanced prices 1c.; another declares its present intention to hold prices unchanged. Therefore, the prices now range:—Tanks, 8c. to 9c. per pound; 55-gallon drums, 11c. to 12c.; 5 to 10-gallon drums, 14c. to 15c. The prices are at the works in both instances.

Acetamide—Quotations have been advanced. Chemically pure in drums now stands at 65c. to 75c. per pound, and the technical variety in drums is priced at 33c. to 43c.

Acetanilide—According to the U. S. Tariff Commission, October production of technical and U.S.P. materials combined was 1,134,531 pounds. No figures were given for September production, but in August, the last previous month for which figures were provided, the output was 493,197 pounds.

Acetone—The new year is expected to be one in which demand will exceed supply, at least for the first part of the twelvemonth. According to the U. S. Tariff Commission, October production was 25,975,688 pounds. which compared with September output at 29,120,588 pounds.

Acetonitrile—Quotations have been advanced and now stand at 45c. per pound for merchandise packed in drums.

Acid, Acetylsalicylic—Standing firm at the higher prices recently announced. Production in October rose to 710,143 pounds from the September output of 573,785 pounds, according to the latest report of the United States Tariff Commission.

Acid, Ascorbic — According to the latest report of the United States Tariff Commission, October production totaled 91,347 pounds, a rise from September output at 86,990 pounds. The article starts the new year in firm position.

Acid, Gallic—Information in hand suggested that a higher schedule of prices was in the making virtually at the end of the year. No indication of the extent to which prices were apt to rise was given.

Acid, Tannic—Prices have been advanced. Technical was raised 22c. per pound and both varieties of U.S.P. merchandise rose 12c. New quotations are:—Technical, 93c. to 94c. per pound; U.S.P. fluffy, 1,000-pound lots, $1.45; smaller quantities, $1.47 to $1.50; U.S.P., powder, 1,000-pound lots, $1.25; smaller lots, $1.27.

Agar—How continuous importations from Japan may be early this year is highly uncertain, but a start back to normality was made late last year and while most of the goods that arrived then have been absorbed by consumers, the price situation at $4 to $4.25 per pound was fairly well defined.

Five hundred 100-pound bales of agar, No. 1 strip of fair average quality, have been put up by the United States Commercial Company for sale on sealed bids to be received up to 12:00 noon, January 16, at Washington, for a minimum of thirty bales or a maximum of one hundred.

Alcohol—Production in the new year will naturally turn on the availability of raw material. The supply of blackstrap molasses will be curbed by the sugar situation, but there seems to be ample supplies of grain for use where alcohol-making from grain is possible and permitted. But the government stockpile of wartime alcohol will be a potent factor in keeping manufacturing consumers supplied with goods for at least a fair part of the new year. The raw material situation does not suggest lower prices at an early date, but prices on tax-paid alcohol on July 1 will probably reflect the drop in tax from the present $9 per proof gallon to $6, which prevailed before the emergency rate was set.

Aldol—Quotations on the technical variety have been advanced to the basis of 15c. per pound while the price on denaturing grade has risen to $1.30 per gallon.

Amidopyrene — Prices were advanced 50c. per pound, making the market $4.50 to $4.75 per pound to cover the higher cost of manufacture.

Aminoacetic Acid—Quotations have been raised to the basis of $1.50 to $1.67 per pound for the U.S.P. grade. They prevail according to seller and amount of material to be purchased.

Amyl Acetate—Further changes may develop in quotations but the new year starts free from further price rise and finds the market as a whole in very firm position.

Antipyrene — Quotations start the new year in at least unchanged position and they appear to be in well stabilized position for the time being at least. The future of values will depend on the shifts in raw material costs.

Atropine—Prices were strong. Supplies were moderate in size and because of raw material troubles they cannot be substantially increased sooner than the collection of the 1947 crop of belladonna. European crops will be depended on much in the year ahead.

Bismuth Metal and Salts — Metal started the year in strong position so far as price was concerned, and in not too satisfactory position in the matter of supplies. Salts reflected fully the situation in raw material and demand was expected to be normal.

Brucine—Stocks at the turn of the year were certainly not excessive in size and the general market position of both varieties of material was one of substantial strength and virtually total freedom from competitive influences.

Butyl Acetate — Producers in In-

For Late Market Developments, See Page 4

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diana and Illinois reported last week that December prices would be extended to cover sales in the month of January, 1947. Other production has not made known its intention.

Butyl Alcohol—Prices to be paid in January will be those paid in December for goods produced in Illinois and Indiana. Other production has made no announcement of price intentions at yet. Production of this article in October totaled 8,670,507 pounds, a sharp decline from the September output at 10,229,071 pounds, according to the United States Tariff Commission.

Calcium Gluconate—The new schedule of prices set up recently was reported to be prevailing in firm position at the beginning of the new year. And indications for good trade were reported to be favorable.

Castor Oil — Prices have been advanced 1½c. per pound, effective December 28 and caused by the insistent buying at higher prices by foreign countries and increased steamship freight rates from Brazil. New quotations prevail as follows:—Coldpressed, U.S.P., tanks, 38c. per pound; drums, carlots, 31½c.; less carlots, 32½c.; No. 3, technical, tanks, 30¼c.; drums, carlots, 31¼c.; less carlots, 32¼c.

Final import figures on castor beans came to hand. Last week, 15,686 bags arrived for a total of 2,352,900 pounds. Total arrivals since January 1, 193,-140,300 pounds. Compares with total imports for 1945 at 273,849,150 pounds.

Cinchophen—Prices have been advanced to $4 to $4.10 per pound for standard merchandise while the heavy density has gone to $4.20 to $4.30.

Codeine — Producers of this opium derivative have not yet offered a new and higher schedule of quotations. Such a development was first mentioned a number of weeks ago but the movement has yet to become fact. It may be presumed that the codeine now being delivered was made from opium obtained prior to the rise in prices for that raw material.

Codliver Oil — Unsold goods available open market trading on new orders were in very small supply and insistent buyers not protected by contracts would probably be asked even as much as $3 per gallon. The basic price remains at $2.60 per pound for regular U.S.P. strength oil. High test goods would command a minimum much higher than that. Production will begin in North Atlantic waters in the not too distant future; it is likely that some fishing is now afoot off Norway.

Crotonaldehyde — Prices have been advanced. The new quotation on 91-93 percent material packed in 55 and 110 gallon drums is 17c. per pound in 5 and 10 gallon drums, 20½c.

Dibutyl Phthalate—October production exceeded that in September, according to the United States Tariff Commission report. The October total was 1,481,857 pounds while that in September was 1,221,936 pounds.

Ethyl Acetate—According to the latest production report issued by the United States Tariff Commission, October output totaled 8,744,934 pounds, an increase from October production of 7,334,167 pounds.

Ethyl Ether—Combined production of technical and U.S.P. materials was 3,003,670 pounds in October, a decrease from September output at 3,079,223 pounds, according to the United States Tariff Commission.

Formaldehyde—October production increased to 41,863,814 pounds from the September figure of 36,735,289 pounds, according to the latest report made by the United States Tariff Commission. The prices of producers have been set up to cover 1947 business and although somewhat higher than they were in 1946, business was expected to continue high in volume.

Glycerin—The market at the beginning of the new year differs widely from that in any previous period. Producers' prices have never spread so widely as they do at this time. In the past, scarcity has often produced resale prices far in excess of the producers' schedule but at this time it is the producers themselves whose prices are spread very wide. The situation in oils, fats, tallow, and the like, and in soap production and consumption, being what it is, few in the glycerin business are willing to forecast the future developments in the market during the coming year.

Hexamethylenetetramine—Although one producer of methanol has advanced prices 1c., and although producers of formaldehyde have upped their quotations, no official change has yet been made in the schedule on hexamethylenetetramine. Nor has one been suggested as in the making—up to now.

Menthol—Quotations have been reduced to $7.20 to $7.45 per pound, the result of the increase in competition developed here by the reappearance of Japanese production on this market and the easing of the situation in Brazil.

Methanol—Two of the largest producers of synthetic material have indicated no present intention to advance prices. Another important producer did make a 1c. advance recently. Production of synthetic material increased in October to 43,776,937 pounds, compared with the September figure at 43,773,153 pounds, according to the United States Tariff Commission. Production of natural methanol in October increased to 1,-464,220 pounds from September output of 1,220,784 pounds.

Neocinchophen — The price of this article remains unchanged, although price on both cinchophen and soda-cinchophen were advanced last week.

Niacin and Niacinamide—Combined production in October was 95,183 pounds, a gain over that of 82,810 pounds in September, according to the United States Tariff Commission.

Paraldehyde—Both technical and U.S.P. materials have been advanced in price. The former is now 13c. per pound and the latter has become 40c.

Penicillin—October production increased to 2,633,629 million units from the September output of 2,214,209 million units, according to the United States Tariff Commission.

Quicksilver—Importations in the last week of the old year were 2,480 flasks from Genoa, Italy; 100 flasks from Tampico, Mex., and 150 flasks from Coquimbo, Chile. The market ended the year with a show of strength that appeared to be related to the upward tendency of Italian and Spanish prices now that the cartel has been reconstituted and price fixing once more enthroned abroad.

Soda Cinchophen—The prices on this article have been advanced to $5 to $5.10 per pound as the result of higher production costs.

Sucrose Octa-acetate — Denaturing grade of this material now is priced at 50c. per pound, while for technical, the market has also been advanced to 50c.

Thiamine Hydrochloride—According to the latest report of the United States Department of Agriculture, production in October rose to 16,344 pounds, which compares with the September output at 15,056 pounds.

Vinyl Acetate—The article in tanks was advanced to 14c. per pound; drums, carlots, 15½c.; less carlots, 16½c.

Corrosion Engineers To Meet April 7-10

A general industry symposium and four other technical sessions will feature the annual convention and exhibition of the National Association of Corrosion Engineers to be held in the Palmer House, Chicago, April 7-10.

Speakers at the general industry symposium will include Dr. Norman Hackerman, professor in the school of chemistry at the University of Texas, whose topic will be "Mechanism of Inhibitor Action."

Other speakers at the symposium, and their subjects, will be J. T. Gow, Batelle Memorial Institute, "Oxidation of Stainless Alloys"; B. G. Crane, research staff of the Ethyl Corporation, "Non-Destructive Methods of Determining Metal Plate Thickness," and N. E. Berry director of research for the Servel Corporation, "Thermo-galvanic Corrosion."

The exhibition will feature the latest developments in material, services, equipment and devices now used in the fight to eliminate America's annual $6,000,000,000 corrosion loss.

Heyden to Move Chicago Office

The Heyden Chemical Corporation, New York, has announced that its Chicago office, as of January 1, was located at 20 North Wacker drive. F. A. Degener is in charge of the Heyden Chicago office. Representatives are J. E. O'Donnell, William C. Ellis and G. S. Kahle.

Flo-Sweet Products Corporation, subsidiary of Refined Syrups & Sugars, Inc., has elected J. P. Cody executive vice-president. He is a director of the parent firm.

W.E. Scheer Forms Scheer Chemical Co.

The Scheer Chemical Company has been organized in New York by Walter E. Scheer, with offices at 60 East Forty-Second street. The telephone number is MUrray Hill 2-1941.

The company will act as manufacturers' agent and technical sales and market development consultant for chemical manufacturers in the fields of fine chemicals, surface active agents and plastics and plasticizers.

Walter E. Scheer

For the past several years Mr. Scheer was vice-president of Amecco Chemicals Inc., New York, and assisted in the work of Amecco's affiliate, Hardesty Chemical Company. Before joining Amecco, Mr. Scheer was associated with the Commercial Solvents Corporation for a number of years.

Ames Co. Consolidates Riedel-de Haen Division

The Ames Company, Elkhart, Ind., and its Riedel-de Haen division, New York, will consolidate their operations under Ames Company, Elk, Ind. The pharmaceutical products of the Riedel-de Haen division will be placed under the sales policy of the Ames Company. Paul de Haen, vice-president of Ames Company, and general manager of the Riedel-de Haen division, will remain with the Ames Company, with offices at 51 Pine street, New York.

U.S. Revenue Returns Show Decrease

Bureau of Internal Revenue, Washington, reports taxes collected for the month of November, 1946, compared with November, 1945, included the following:—

	1946	1945
Coconut, etc., oils, processed	$1,357,891.15	$777,569.26
Distilled spirits, domestic, excise tax	164,896,227.91	151,226,010.59
Distilled spirits, imported, excise tax	13,304,089.84	10,927,618.13
Gasoline	34,427,383.94	38,887,065.76
Lubricating oils	7,008,969.17	6,020,000.53
Narcotics, including special taxes	24,049.19	26,432.73
Oleomargarin special taxes	366,218.47	337,823.82
Totals	2,494,385,130.59	2,704,065,537.93

A.Ph.A. Philadelphia Branch Meets Jan. 16

The Philadelphia branch of the American Pharmaceutical Association will meet at 8 p.m. January 16 at the Philadelphia College of Pharmacy and Science.

Principal speaker will be Dr. Austin E. Smith, director of the division of therapy and research and secretary of the council on pharmacy and chemistry of the American Medical Association, whose topic will be "Drug Therapy in the Future."

Dr. Smith recently returned from the Pan-American Health Conference in Cuba, which he attended as one of the three delegates representing the United States.

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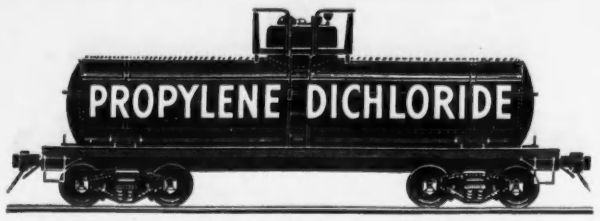

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Canon Leaves du Pont Fine Chemicals Post

Frank A. Canon, manager of the New Brunswick Works of the fine chemicals division of the organic chemicals department since July 1, 1931, retired from E. I. du Pont de Nemours & Co., January 1. He was succeeded by Robert C. Lyon, service superintendent at New Brunswick since May 1, 1943.

Mr. Canon, a native of Philadelphia, started his chemical career in 1911, on graduation from the Pennsylvania State College, as a cadet engineer with the United Gas Improvement Company, Philadelphia. He became chief chemist of the 25th Ward Gas Works in Philadelphia in 1912. In 1918 he went with The Barrett Manufacturing Company at Edgewater, N. J., as a research chemist.

During the following three years, he was, part of the time, in charge of experimental plants. He joined the Selden Company, Pittsburgh, in 1921, being put in charge of production. On December 1, 1930, he became research chemist for The Newport Chemical Corporation, Carrollville, Wis., and a few months later became works manager at New Brunswick. When du Pont acquired the Newport company, Mr. Canon continued as manager.

Mr. Lyon, whose home was in Will County, Illinois, was graduated from Knox College in 1909 and attended the University of Wisconsin during the Summers of 1911 and 1912. He took his first industrial job with the John J. White Company in 1917, after several years teaching chemistry in high schools and traveling for the Century Company of New York City.

He worked successively as a chemist for the Empire, Rhodia and Newport Chemical companies. He was promoted to superintendent of production at New Brunswick on January 1, 1937, and assistant manager on August 1, 1939. He became service superintendent on May 1, 1943, when war times necessitated temporary expansions in this department.

Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a light increase in October, as compared with September. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Oct., 1946	Sept., 1946	Aug., 1946
Chemical and allied products	$45.47	$45.38	$44.91
Ammunition	45.80	44.05	39.53
Chemicals	52.87	52.61	51.81
Cottonseed oil	32.65	31.23	30.84
Drugs, medicines, insecticides	39.91	39.05	38.91
Explosives, safety fuses	50.26	50.98	48.37
Fertilizers	33.94	35.62	35.09
Paints and varnishes	47.07	46.52	47.41
Petroleum refining	57.39	58.35	57.10
Rayon, allied products	42.98	43.55	42.62
Soaps	47.85	47.30	47.22

Greenbrier Hotel Sold to C.&O.

The Greenbrier, historic convention hotel at White Sulphur Springs, W. Va., has been purchased from the War Assets Administration by the Chesapeake & Ohio Railway Company. The property will be rehabilitated and operated by the White Sulphur Springs Company, a wholly owned subsidiary.

Reconversion, which will cost about $4,000,000, will be finished about next September, the company has estimated.

Reed & Carnrick Elects Jeffs Sales Director

Bernard Jeffs has been elected assistant vice-president and director of sales and advertising of the physiological laboratories of Reed & Carnrick, pharmaceutical manufacturer, Jersey City, N. J. John M. Sartorius has been named assistant secretary at the laboratories.

Drug, Chemical Firms

—Continued from page 7

Drug Store, Inc.; Glendale Chemists, Inc.; Glora Drug Corporation; Hotel Pharmacy, Inc.

Instant Chemical Corporation; International Pharmacy, Inc.; Jackson Research Laboratories, Inc.; Jaydee Pharmacy, Inc.; Joan of Arc Pharmacy, Inc.

Keenan & Straight Surgical Corporation; Keystone Pharmacy, Inc.; King Cosmetic Company; Krams, Chemist, Inc.; Kurland Chemical Company; Le Roy Laboratories, Inc.; Loughil Laboratories, Inc.

Marcia Drug Company; Massimo Druggist Supply Company; Mayflower Chemical Corporation; Medical Aid Supply Company; Meliquist Reducing and Cosmetic Salons, Inc.; Mons Chemists, Inc.; Motors Chemists, Inc.; National Research Chemical Corporation; Neo-Metal & Chemical Corporation.

O. C. W. Chemical Corporation; Pharmacal Trading Company; Plymouth Chemical Corporation; Portney Pharmacy, Inc.; Pure Chemical Manufacturing Corporation; Queens Pharmacal Company.

Rael Pharmacy, Inc.; Raimonde Perfumeur, Inc.; Research Laboratories, Inc.; Richmond Chemical Works, Inc.; Robinson Research Laboratories, Inc.

S. & B. Chemists, Inc.; S. & C. Drug Stores, Inc.; Seaboard Chemical Corporation; Sidney Pharmacy, Inc.; Solvents Induction Corporation; Steger Pharmacy, Inc.; Stern's Pharmacy, Inc.; Stuyvesant Pharmacy, Inc.; Superior Chemical Products Sales Corporation; Supreme Drug Company; Synthetic Latex Corporation.

Telsey Chemists, Inc.; Teotisil Laboratories Corporation; Terbell-Calkins Drug Company; Terry Chemists, Inc.; Theatrical Pharmacy, Inc.; Trade Scientific Laboratories, Inc.; U. S. Chlorine Laboratories, Inc.; Vendome Chemists, Inc.; Victory Pharmacy, Inc.

Waumesit Chemical Company; Weller Pharmacy, Inc.; Wilco Laboratories, Inc.; The J. Willer Chemical Company; Williams Chemical Corporation; Wilmac Pharmacy, Inc.; Winfield Pharmacy, Inc.; Wise Drug Company; 35th Street Pharmacy, Inc.

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Dura-Glow Pigments, Inc.; European Olive Oil Company; Farmers Share Petroleum Corporation; Fine-Art Paint Corporation; Flexible Veneers, Inc.; Gail Paint & Varnish Company.

Hollywood Petroleum Corporation; Kensington Luminous Corporation; Kierman Petroleum Company; Leco Paint Products Company; Lucino Coal, Oil & Fuel Company; John Maurer Paint Company.

Nation-Wide Petrol Corporation; Nu-Enamel International Corporation; Nu-Glass Manufacturing Company.

R. T. K. Petroleum Company; Realube Oil Company; Redwing Petroleum Company; Sterling Paint & Supply Company; Towns Paint Company; Trans-America Oil Products Company; Young Paint & Varnish Company.

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Chemical Lectures Set At Western Reserve

The newly created trans-uranium elements, heavy hydrogen, artificial radioactivity, high vacuum distillation, and the chemical bonds within carbon compounds will be among the subjects in the sixth annual Frontiers in Chemistry lectures at Western Reserve University, Cleveland, in February, March, and April.

Among the twelve scientists to appear in the lecture series are Dr. Glenn T. Seaborg, professor of chemistry, University of California, who was responsible for the creation of four new chemical elements; Dr. Harold C. Urey, professor of physics, Institute of Nuclear Studies, University of Chicago, Nobel prize winner and discoverer of heavy hydrogen, and Dr. K. C. D. Hickman, research chemist, Distillation Products Corporation, Rochester, N. Y., who is known for his use of distillation for the isolation of vitamins.

The Frontiers series will be divided into two sections. The first will deal with recent advances in physical and inorganic chemistry, and the second with modern theories of organic chemistry. The first part will begin February 28 and run consecutive Fridays through April 4. The second will begin April 18 and run consecutive Fridays through May 23.

They will be at 5:15 to 6:05 p.m. and 7:45 to 8:35 p.m. in the Physics Laboratory on the Western Reserve campus. Each part of the course, designed chiefly for graduate chemists and physicists, will represent one credit hour for those passing examinations.

The subjects, lecturers, and dates are as follows:—

"Theory of Reaction Rates," Professor Farrington Daniels, University of Wisconsin, February 28; "Distillation Theory and Practice," Professor E. R. Gilliland, Massachusetts Institute of Technology, March 7; "High Vacuum Distillation," Dr. Hickman, March 14; "Trans-Uranium Elements," Professor Seaborg, March 21; "The Chemistry of Deuterium," Professor Urey, March 28, and "Artificial Radioactivity," Professor Philip Morrison, Cornell University, April 4.

Also, "The Chemical Bond and Resonance," Professor G. W. Wheland, University of Chicago, April 18; "Electrochemical Theory of Organic Reactions," Professor John R. Johnson, Cornell University, April 25; "Free Radical Mechanisms," Dr. Frank R. Mayo, United States Rubber Company, May 2; "Carbonium Ion Mechanisms," Professor Charles C. Price, Notre Dame University, May 9; "Reaction Rates and Mechanisms," Professor Louis P. Hammett, Columbia University, May 16, and "Bond Distances and Molecular Structure," Professor Lawrence O. Brockway, University of Michigan, May 23.

Chemical Workers Increased in October

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a 1.0 percent increase from September to October, according to the Bureau of Labor Statistics. At the end of the monthly period, employment was 1.1 percent above the corresponding level of 1945. Payrolls showed a 1.1 percent increase from September to October, and stood 1.6 percent above the corresponding level of 1945.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries for October was 170.5 (100 equals 1939 average), compared with 167.9 for September and 168.5 for October last year. For payroll totals the index number was 303.5 for October and 284.9 for October last year.

The bureau's general index numbers for all manufacturing industries for October showed the following comparisons:—

	Oct., 1946	Sept., 1946	Oct., 1945
Employment	146.7	146.7	127.6
Payroll	286.0	284.2	222.9

Employment in the chemical group of industries was 1.1 percent above the average of all industries. Payroll totals were 1.2 percent above the general average for industries. Labor statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	Oct., 1946	Sept., 1946	Oct., 1945
Quarrying and nonmetallic mining	101.6	102.4	83.9
Crude petroleum production	93.3	94.0	95.5
Dyeing and cleaning	126.1	125.1	124.7
	Payroll totals		
	Oct., 1946	Sept., 1946	Oct., 1945
Quarrying and nonmetallic mining	226.2	226.7	164.3
Crude petroleum production	154.7	149.6	133.6
Dyeing and cleaning	225.7	225.6	207.6

Employment

(100=1939 average)

	Oct., 1946	Sept., 1946	Oct., 1945
Chemicals	169.8	167.6	157.0
Cottonseed oil	117.4	87.6	118.5
Drugs, medicines, insecticides	193.8	190.0	173.6
Explosives and safety fuses	178.2	176.9	409.2
Fertilizers	115.7	118.7	110.3
Paint, varnishes and colors	127.9	127.8	110.1
Petroleum refining	136.2	137.0	121.5
Rayon and allied products	119.8	118.8	115.0
Soap	100.8	104.5	98.6

Payroll Totals

(100=1939 average)

	Oct., 1946	Sept., 1946	Oct., 1945
Chemicals	294.0	289.6	261.3
Cottonseed oil	277.8	198.3	265.0
Drugs, medicines, insecticides	331.9	316.8	266.1
Explosives and safety fuses	292.4	292.9	626.2
Fertilizers	277.3	297.4	249.8
Paint, varnishes and colors	204.8	201.7	171.9
Petroleum refining	228.2	232.7	189.7
Rayon and allied products	209.8	210.8	186.2
Soap	169.0	173.2	165.1

Cinchona Plantation Being Reclaimed in Philippines

The Philippines Bureau of Forestry is attempting to reclaim the government cinchona plantation of 344 hectares in the province of Bukidnon, Mindanao. Present indications are that no more than 400,000 of the prewar total of about 1,200,000 trees will remain after the plantation is restored.

About one-third of the original trees died from natural causes during the war or were used for stripping, and another third now are dying and must be removed. Bark is being salvaged at present from some of the dying trees. The prospective disposition of the bark is not yet clear since there is no plant in the Philippines to extract quinine or totaquina commercially.

Bauxite ore will be shipped from Dutch Guiana to Trinidad in all-aluminum ships planned by the Aluminum Company of America, and which will be operated by the Alcoa Steamship Company.

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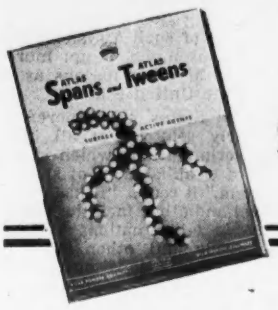

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Foreign Traders Give Views on Pact Plan

Insistence by the United States upon establishment of conditions in other countries essential to the expansion of international trade on a multilateral and non-discriminatory basis, was urged by the National Foreign Trade Council in a brief submitted to the Committee for Reciprocity Information and made public in advance of scheduled reciprocal trade agreement negotiations with eighteen foreign governments.

Submission of the brief followed on the heels of filing of similar documents with the committee by the Manufacturing Chemists Association, the Independent Petroleum Association of America and the Far East-America Council of Commerce and Industry.

The foreign trade council declared that "if other countries are to be permitted to share in the American market, they should be required to agree to and effectuate principles and policies which will result in the creation and maintenance of a multilateral, non-discriminatory, most-favored-nation world-trading system."

Establishment of such a system, the brief stated, is as much, if not more, in the interest of other nations as it is in that of the United States.

"The United States must therefore insist on early removal of all barriers and discriminations which stand in the way of establishment of such a trading system," it read. "It has made vast financial and other facilities available to enable other nations to conduct their trade and other international economic relations on a fair and non-discriminatory most-favored-nation basis.

"If any nation refuses to conduct its international economic relations on this basis, the United States should refuse financial or other economic assistance to such nation and should deny it the advantages in the American market accorded to nations which conduct their international economic relations on a multilateral, non-discriminatory basis."

Pointing to the need for a "vast increase in world trade" stemming directly from wartime destruction or deterioration of the economies of some of the most important industrial nations, and from the war-expanded American economy, the council urged a vigorous and cooperative effort by all nations to eliminate discriminations and to reduce tariffs and other barriers to international trade.

Objectives were set forth as follows, without distinction as to their relative importance:—maintenance of a large volume of United States exports; increase in American imports to the level required to meet domestic needs and to create a balanced relationship between the American and world economies; expansion of general trade among nations to the degree which world economic reconstruction and development require.

In dealing with trade restrictions during reciprocal trade agreement negotiations, American negotiators were urged by the council to be guided by the following considerations:—

All excessive and unnecessary tariff duties should be eliminated, and tariff rates of all countries should be reduced to the point necessary to encourage the widest possible expansion in the exchange of goods among nations.

Preferential tariff arrangements should be abolished.

Except for health, sanitary and similar reasons of public policy, all prohibitions and quantitative restrictions on imports should be removed at the earliest possible date. As to import restrictions imposed for sanitary reasons, alleged sanitary measures should not be utilized to give unwarranted protection.

As a general principle, all prohibitions and quantitative restrictions on exports should be removed. Export subsidies and bounties should not be employed.

Exchange controls should be eliminated at the earliest practicable moment.

In negotiations with countries engaged in state-trading or maintaining government monopolies in the trade of particular products, endeavor should be made to secure agreement on clearly defined principles to govern the trading methods of state-trading vis-a-vis the private enterprise system. Such principles, set forth in the brief, would place certain fair restraints on the vast buying and selling powers implicit in state-trading, in return for which lowest rates of duty and most-favored-nation treatment would be accorded the state-trading countries.

Practices which constitute dumping in international trade should be defined and prohibited.

Antiquated and burdensome customs regulations, with respect to which United States customs laws and regulations are among the worst offenders, should be relaxed or removed.

Effective safeguards should be extended to the property and other interests of nationals of each country in the territories of other countries.

The Council recommended that if it is not feasible to incorporate some of these conditions in reciprocal trade agreements, then commitments should be obtained at the time of negotiation of reciprocal trade agreements that other nations will enter into other types of agreements with this country or take other necessary action to secure the establishment of such conditions.

Tariff Bargain Cuts

—Continued from page 5

a state of flux and our costs tremendously increased over 1939, it is impossible for our committee or the agencies of government to arrive at even an estimate of what the effects of the 1936 and 1939 reductions will be in the next two years, much less an accurate appraisal of the landed cost. Landed costs involve duty rates and are the only sound bases for determining rates of duty.

6. On the foregoing data and arguments, we submit that the time is not ripe, the facts are unascertainable, and sound conclusions impossible. No adequate study has been made by the government nor could it be made under existing world economic conditions. We therefore ask that the paragraphs of the tariff act of 1930 named in this brief be left out of the bargaining list.

The DCAT brief makes the following points:—

1. The American drug, phaermaceutical, and chemical industry has certainly proven its indispensability to the nation during the war just ended.
2. There is no domestic need for these products which the industry in this country cannot supply, which would call for lower duties in order to expedite imports.
3. The industry already described represents tremendous investment and provides very substantial employment at better than average wage.
4. At this juncture of the world's affairs, not enough information is available as to what competitive conditions will be later on. Lacking such basic information, any tariff changes must be largely the result of guess work.
5. The President of the United States and the Secretary of State have both given assurances that no efficiently operated American production will be injured. If reliance is to be placed on these assurances, the greatest caution must be exercised.
6. The production represented by our membership is efficiently operated. There is also very keen competition between these many American producers.
7. We do not take the position that no rates can be modified. We urge, however, that such changes as are contemplated should be reviewed with the producers of the particular commodity in question, in order to determine as definitely as possible that no undue injury will result. In cases where reductions are made, we suggest the wisdom of minimizing them until more can be learned about future world competition.

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NWDA Head Optimistic on 1947 Sales

Some recession from the all-time 1946 sales high experienced by wholesale druggists "would not be unexpected in 1947," in the opinion of C. C. Caruso, president of the National Wholesale Druggists' Association. In a year-end review and forecast, however, Mr. Caruso declared he was generally optimistic.

C. C. Caruso

"The trend continues upward," he said. "The drug industry has shown itself to be more stable than most other industries. Provided the age-old law of supply and demand has a chance to operate without stoppages, we should go forward still in the year ahead."

Mr. Caruso explained 1947 prospects were "uncertain because of situations that still threaten our national economy."

"As a service industry we are particularly sensitive to changes in the national economy," Mr. Caruso said. "The recent coal strike, which caused such wide stoppages in production and transportation, is not really settled. There merely has been a truce declared. What happens finally in that particular situation, and in others of far-reaching importance, may well depend largely on what the new Congress does with respect to legislation, which will enable management and labor to meet on a fairer basis.

Labor and management, he said, instead of being opposing forces, should be working together for greater productivity and they can accomplish this ideal if an even balance in opportunity is afforded.

If, as we have a right to expect, business can soon go into high gear in production, the people of this country can experience real prosperity with good and real wages, and little unemployment, he added.

Mr. Caruso said that among all industries, the drug industry, to the best of his knowledge, stands alone in the remarkable performance of having all during the war and until very recently supplied the health needs of this country at practically no increase in cost to the general public. We will strive to maintain this record of public service to the extent that it is consistent with keeping our businesses solvent, he said.

"Some increases in the costs of our products and services naturally are imminent," he declared. "These increases will be due to increased costs of such services as freight and trucking, direct wage increases and the rises that have already occurred in commodities used in the manufacture and packaging of drugs and medicines. However, compared to price rises in other industries, such increases as may occur would seem negligibly small. In any event I am confident that there will not be any generally inflationary price rises in the drug field."

Ferguson Takes FTC Chair for Fifth Time

Garland S. Ferguson became chairman of the Federal Trade Commission January 1, succeeding Commissioner William A. Ayres. It marks the fifth time Mr. Ferguson has assumed the chair under the agency's policy of rotating the post each calendar year.

Mr. Ferguson is the only member of the commission since its creation to hold the chairmanship five times. He previously held it in 1930, 1934, 1938 and 1943. He has been a member of the commission nineteen years.

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Semple Heads Monsanto Development Department

Appointment of Robert B. Semple as director of its general development department was announced by Monsanto Chemical Company in naming five promotions in company management. Mr. Semple will be succeeded as petroleum chemicals sales manager by John Wade Newcombe of the petroleum sales department.

Osborne Bezanson, vice-president and general manager of the company's organic chemicals division, named William G. Krummrich as assistant division general manager. Mr. Krummrich will be succeeded as division production manager by David L. Eynon jr., assistant to the division general manager and acting plant manager of the company's Nitro, W. Va., unit.

A native of St. Louis, Mr. Semple attended Massachusetts Institute of Technology, where he received a B. S. in chemical engineering in 1932 and a master's degree in chemical engineering the following year.

Following his graduation, he joined Monsanto as a research chemist in the organic division in St. Louis. In 1934 he served as a pilot plant chemist and from 1935 to 1939 as a pilot plant group leader. In 1939 he became assistant director of the general development department at St. Louis and was named petroleum chemicals sales manager in 1944.

Mr. Newcombe is a native of Hoagland, Md., and was educated at De Pauw University, where he graduated in 1930. He served with the Indiana State Highway Commission and the D-A Lubricant Company, both of Indianapolis, before joining Monsanto May 1, 1944.

Mr. Krummrich, a native of Belleville, Ill., joined Monsanto in 1917, doing analytical work in the laboratory of the John F. Queeny plant in St. Louis, and rose to operating superintendent of the Queeny plant in 1935. He was transferred the next year to the Monsanto, Ill., plant as manufacturing superintendent and was made plant manager about four years later. In 1943 he became production manager of the organic division.

Mr. Eynon is a native of Paterson, N. J., and came to Monsanto in 1933 in the research department of the Merrimac Division at Everett, Mass. During the war he was plant manager of the government-owned Longhorn Ordnance Works at Karnack, Tex., which was operated by the company's organic division. He was educated at Williams College and was a classmate of Mr. Semple at Massachusetts Institute of Technology.

Phila. Chemical Club Welcomes 1947 Officers

The Chemical Club of Philadelphia staged a "welcome party" for its 1947 officers in conjunction with the annual Christmas party held in the Ritz Carlton hotel.

Officers for this year are president, William Thorn, Innis-Speiden Compasy; first vice-president, Harold B. Dohner, Amalgamated Chemical Corporation; second vice-president, Albert Frank, Alex C. Fergusson Company; treasurer, M. C. Swope, Swope Chemical Company; corresponding secretary, E. Warren, Pennsylvania Salt Manufacturing Company, and secretary, G. B. Heckel, jr.

Sterling Drug Names Division Vice-Presidents

Appointment of Dr. Earl L. Burbidge, medical director, and Ralph Henderson, assistant to the vice-president of the Frederick Stearns & Co. division, Sterling Drug, Inc., Detroit, as divisional vice-presidents, is announced by Dr. J. Mark Hiebert, vice-president and general manager. At the same time, Dr. Hiebert announced that John W. Kribs, personnel director and office manager, had been named assistant treasurer of the division.

Mr. Henderson became assistant to Dr. Hiebert in February, 1946, to supervise the Windsor plant of Frederick Stears & Co. of Canada, Ltd. As divisional vice-president, he will continue in charge of the Canadian operation.

Dr. Burbidge has been medical director of the division since June, 1944, and has been closely associated with the development of clinical research on proteins and amino acids as well as on a series of sympathomimetic drugs. Prior to his association with Stearns, he was for three years associate director of the medical research division of Sharp & Dohme, Philadelphia.

Mr. Kribs has been associated with Stearns since 1923. He began work in the factory, becoming subsequently head of the tabulating department and assistant office manager in 1939. He was named office manager in 1940 and personnel director in 1942.

Helium 1947 Sales Expected to Hit Peak

OPD Washington Bureau

Government sales of helium to commercial users of the United States are expected to average more than 1,000,000 cubic feet monthly during the fiscal year 1947, the greatest volume of the gas ever used industrially, Dr. R. R. Sayers, Director of the Bureau of Mines, has announced.

On the basis of distribution figures for the firts four months of the fiscal year and new commercial contracts being negotiated for 1947 by the Bureau of Mines, sole producer of helium, the 1,000,000 cubic foot a month industrial consumption will be surpassed easily, Dr. Sayers revealed. During October a new all-time record for sales to private users was established when 1,367,880 cubic feet were distributed.

Industrial users, as well as Federal agencies and scientific and medical users of helium, can be assured of a steady supply of the gas for many years to come, Dr. Sawyers disclosed. Even though the bureau's war-built helium plant at Cunningham, Kans., has been dismantled after an excellent wartime record, the bureau's four remaining plants have annual production capacities of nearly 250,000,000 cubic feet of helium, a volume greater than the anticipated requirements for all purposes during the next few years.

Lever Bros. Names Public Relations Head

Thomas A. Gonser has been named director of personnel and public relations for the Lever Brothers Company, Cambridge, Mass., effective January 6. He was formerly vice-president of Northwestern University, with which he had been associated for twenty-six years.

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ACS Unit Studies Complex Molecules

The use of strong light may enable scientists to bring about new types of chemical reactions, Dr. Michael Kasha of the University of California reported at a symposium on "Color and the Electronic Structure of Complex Molecules" held at Northwestern University by the division of physical and inorganic chemistry of the American Chemical Society.

Intense illumination, declared Dr. Kasha, exictes many complex molecules, momentarily relaxing the electronic forces that bind them together. For the instant, he said, the atoms within the molecules are freed and can take part more readily in chemical reactions.

The state of excitement, called the triplet state, may last for only one hundred-thousandth of a second faster illumination ceases and the molecule releases energy absorbed from the light, he said.

Phosphorescent materials, those which absorb energy from light and glow, can be attracted by magnets when under strong illumination, Professor Calvin of the University of California told the symposium.

In a recent experiment Professor Calvin sealed fluorescein, a phosphorescent substance, in a thin-walled glass tube, suspended in a magnetic field by two long glass threads. When light from a powerful mercury-arc lamp was thrown upon the fluorescein, the tube swung toward the magnet, as had been predicted.

Surprisingly, the tube then swung violently in the opposite direction. The puzzling counter-movement, Professor Calvin explained, was found to occur only when oxygen was in the tube, being eliminated in later experiments when the fluorescein was surrounded by hydrogen, carbon dioxide, and argon.

Crowding of atoms within a molecule changes its color, by causing it to absorb light of shorter wave lengths, said a paper presented by Dr. L. S. G. Brooker, F. L. White, R. H. Sprague, S. G. Dent, jr., and G. Van Zandt of the Eastman Kodak Company, Rochester, N. Y.

In complex molecules of dyes, the replacement of a hydrogen atom with an alkyl group, consisting of a number of hydrogen and carbon atoms, may cause such crowding that the atoms pile up, according to the report. Although the chemical change is slight, it read, the physical crowding generally tends to change colors from blues to greens and from yellows to reds, and also somewhat reduces the brightness of the colors.

Professor James Franck of the Fels Foundation, Chicago, presided at the morning session of the symposium, and Professor Frank T. Kucker of Northwestern University presided in the afternoon.

Crawford & Callan Dissolved To Form Two Other Firms

The partnership of Crawford & Callan & Co., exporter and importer, New York, was dissolved December 31. The following export and import firms have been formed:—Crawford & Co., 350 Madison avenue, and Callan, Simon & Norton, 21 West street, both New York.

Labor Relations

—Continued from page 7

former position for one year is "based upon his compliance with the reasonable and ordinarily accepted standards of personal conduct and performance of duty of all employees." To the court the word, "cause," as used in the act, should be construed as laying down for the veteran no lesser standard of conduct and performance than that applied to nonveteran employees. Nor would such like treatment of veterans and nonveterans be contrary to the policy of the act.

Cause Held to Be Just

With this principle of the application of like standard of conduct and performance to veterans as is applied to nonveteran employees, the court then turned to the merits of the discharge. Here it held that the plaintiff, by his unexplained lateness and absence from his job without notification to his employee, "does not meet these standards and consequently he must fail in his action."

The district court thus follows the same theory upon which the supreme court rested its denial of veteran super-seniority. Just as in the case of seniority, so in the matter of discharge, the returning veteran does not have any preferred or superior rights over his nonveteran fellow-employee. He is to be held accountable to the same standard of conduct and performance as is the nonveteran employee under a union agreement calling for discharge for "cause". His rights there are no greater. And if he gives the employer just cause for his discharge, the veteran cannot, under the court's decision, find protection in the draft act. He stands in the same shoes as the nonveteran employee, and like him, he may be discharged for just cause.

Where Veteran Has Advantage

It might be observed that in only one possible respect would the draft act, under the court's ruling, serve to give the veteran a greater right than a nonveteran employee. This could conceivably arise in the case where the employer has no union agreement with its limitation of the right of discharge only for "just cause". Since, at common law, an employer has the absolute right of discharge whether for cause or not, for such an employer, the draft act would serve to give the veteran a preferred position in the matter of discharge. Such an employer could, if he arbitrarily chose to do so, discharge a nonveteran employee regardless of cause. He could not do this, however, with a veteran employee. Here the draft act and the court's decision would serve as a bar, denying him, as far as the veteran is concerned, his otherwise unlimited power of discharge.

In practice, however, it should be the very rare employer who would discharge an employee without cause, whether he be unionized, veteran or nonveteran. Yet relative to those few employers who may still feel that their right of discharge is absolute and unchallenged, the draft act compels them to desist from the exercise of such power when it involves a veteran employee. Otherwise, the force and effect of this court's decision is to place the veteran on a par with his nonveteran fellow-worker. Both owe the duty and responsibility to their employer of fair and proper personal conduct and performance of their job. If the veteran fails, he, like his nonveteran coworker, becomes subject to discharge, and the draft act will be of no avail to him.

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ANILIN DYES—85 dms, 1 can, Geigy Co, Antwerp—11 kgs, L & R Organic Products Co, Liverpool

ANIMAL WAX—80 bgs, Robinson, Wagner & Co, Hull

ANISE OIL—15 dms, Bingham & Co, Hongkong—5 dms, Consumers Import Co, Hongkong

ANISE—100 bgs, D M Hatton & Co, Larnaca—96 bgs, Archibald & Kendall, Beyrouth—60 bgs, Norwalk Mills, Beyrouth—200 bgs, Louis Furth, Beyrouth—250 bgs, W L Millner, Beyrouth—231 bgs, American Nile Corp, Beyrouth—Star, 560 bgs, Kachurin Drug Co, Hongkong

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CASEIN—20 bgs., Peerless Overseas Agencies, Port au Prince

CASSIA—300 bls, Chemical Bank & Trust Co, Hongkong—600 bls, Van Norden & Archibald, Hongkong—400 bls, Manufacturers Trust Co, Hongkong—103 bls, G R Coleman & Co, Hongkong

CARNAUBA WAX—56 bgs, American Cyanamid & Chemical Corp, Rio de Janeiro—55 bgs, Biddle, Sawyer Corp, Rio de Janeiro

CASTOR BEANS—11,894 bgs, Baker Castor Oil Co, Bahia—1,700 bgs, Spencer Kellogg & Sons, Bahia—14,000 bgs, Baker Castor Oil Co, Recife—88 bgs, Baker Castor Oil Co, Jeremie—604 bgs, Baker Castor Oil Co, Port au Prince

CASTOR OIL—504 dms, Bunge Corp, Recife

CENTAURY LEAVES—10 bls, Peek & Velsor, Oporto

CHICLE GUM—1,848 bls, Mexican Exploitation Co, Vera Cruz—29 bls, Bank of New York, Vera Cruz—46 bls, Far Eastern Rubber Import Co, Vera Cruz

CHILLIES—264 bgs, M J Golombeck, Mombasa—140 bgs, Mombasa

CHINA CLAY—210 bgs, Galban Co, Seville

CHROME ORE—3,038 tons, Amtorg Trading Corp, Libava

COCILLANA BARK—169 bgs, Latin American Agency, Arica

COCOA BUTTER—1,067 cs, General Cocoa Co, Bahia

COD OIL—100 dms, National Oil Product Co, St Johns—100 dms, Bowring & Co, St Johns—250 dms, Scandinavian Oil Co, St Johns—100 dms, J D Irwin & Co, St Johns—60 dms, T W Damon, St Johns

CODLIVER OIL—78 dms, 15 bbls, Scandinavian Oil Co, Copenhagen—92 dms, Whitmoyer Laboratories, St Johns—22 dms, Silmo Chemical Co, St Johns

COLCHICUM SEED—6 bgs, R J Prentiss & Co, Trieste

COLORS, POTTERS—3 cks, East Liverpool, Ohio

CORNSILK—20 bls, E Meer & Co, Oporto

COTTON LINTERS—167 bls, Geismar & Co, Santos—582 bls, Amtorg Trading Corp, Leningrad

COTTONSEED PITCH—197 dms, Alexandria

CRESYLIC ACID—150 dms, W D Neuburg, Inc, Hull—149 dms, Glasgow—50 dms, American Cyanamid & Chemical Corp, Manchester—70 dms, Bakelite Corp, Manchester—100 dms, Republic Chemical Corp, Manchester—523 dms, Monsanto Chemical Co, Liverpool—185 dms, Manchester—100 dms, Schenectady Varnish Co, Liverpool

CUBE ROOT—89 bls, Manufacturers Trust Co, Callao

CUMIN SEED—20 bgs, L & R Millen Hamilton, Larnaca—100 bgs, Tripoli—200 bgs, Mecke & Co, Beyrouth—133 bgs, W L Millner, Beyrouth—160 bgs, Becker Mayer Seed Co, Beyrouth—159 bgs, Public National Bank, Beyrouth—252 bgs, Superintendence Co, Inc, Beyrouth

CUTTLEFISH BONES—44 straps, Fred H Van Damm, Trieste

CYANIDE, PRECIPITATED—8 cs, Irvington Smelting & Refining Works, Puna

DIACETYL—6 cs, Novadelagene Corp, Buffalo, Rotterdam

DIGITALIS LEAVES—32 pkgs, Peek & Velsor, Oporto—40 pkgs, R J Prentiss & Co, Oporto

DIVI-DIVI—1,300 bgs, Guaranty Trust Co, Barranquilla—100 bgs, Chemical Bank & Trust Co, Barranquilla

EPHEDRA—14 bls, Herbert H Parke, Hongkong—71 bls, Amtorg Trading Corp, Leningrad

ERGOT—40 cs, W E Martin Co, Leixoes

EUCALYPTUS LEAVES—60 bls, E Meer & Co, Oporto

FENUGREEK SEED—112 bgs, Peek & Velsor, Karachi

FISH LIVER OIL—1 dm, Selmo Chemical Co, St Johns

FISH SCRAPS—1,760 bgs, Valparaiso

FLINT PEBBLES—1,095 bgs, J W Higman Co, Copenhagen—731 bgs, Buebendorf Bros, Copenhagen—2,291 bgs, New Jersey Pulverizing Co, Havre

FUEL OIL—278,000 bbls, Standard Oil Co of N J, Aruba—98,421 bbls, Gulf Oil Corp, Aruba—90,533 bbls, Asiatic Petroleum Corp, Curacao

FUSTIC WOOD—1,378 pieces, American Dyewood & Co, Cristobal

GALL—4 tcs, Wilson & Co, Santos

GALLNUTS—168 bgs, Continental Bank & Trust Co, Shanghai

GAMMEXANE—1 dm, E I du Pont de Nemours & Co, Liverpool

GARNETLAC—50 bgs, C H Timm & Co, Calcutta

GLUE—152 bgs, Geismar & Co, Santos—15 bls, J Garvers & Co, Callao

GLUCOSE—60 bbls, J Henry Schroeder Banking Corp, Tampico

GRAPHITE—500 bgs, Charles Pettinos, Colombo

GUM—51 bgs, Djibouti

GYPSUM—7,352 tons, United States Gypsum Co, Windsor

HELLEBORE ROOT—34 bls, Biddle, Sawyer Corp, Trieste

HENBANE LEAVES—56 bgs, J H Brown Agencies, Alexandria—27 bls, Inland Alkaloid Co, Tipton, Alexandria

HENNA LEAVES—39 bls, J L Hopkins & Co, Alexandria

HERBS—6 bls, E Meer & Co, Trieste—11 bls, J L Hopkins & Co, Trieste—14 bls, R J Prentiss & Co, Alicante—35 bls, 9 bskts, E Fucini & Co, Genoa

IPECAC ROOT—25 bgs, Wessel, Duval & Co, Cartagena

IRON OXIDE—500 bgs, Reichard-Coulston, Inc, Malaga—207 bbls, C K Williams & Co, Malaga—1,087 bgs, C J Osborn & Co, Malaga

JUNIPER BERRIES—423 bgs, Kachurin Drug Co, Leghorn—100 bgs, R J Prentiss & Co, Leghorn—467 bgs, S B Penick & Co, Leghorn—oil, 10 dms, Magnus, Mabee & Reynard, Genoa

KOLA NUTS—45 bgs, J A Manton Co, Kingston

KYANITE—200 tons, Golwynne Chemical Co, Calcutta—152 tons, Mombasa

LAUREL LEAVES—60 bls, Levy & Levis Co, Alicante—13 bls, A G Dunn, Alicante—185 bls, Kachurin Drug Co, Lisbon—60 bls, M J Golombeck, Leixoes—200 bls, Kachurin Drug Co, Oporto—65 bls, M J Golombeck, Lisbon

LAUREL OIL—1 cs, Fritzsche Bros, Trieste

LEMONGRASS OIL—3 dms, J D Walch Co, Trujillo

LIVER MEAL—300 bgs, Wessel, Duval & Co, Porto Alegre

LYCOPODIUM—50 bls, Amtorg Trading Corp, Leningrad

MAGNESITE, CALCINED—1,536 bgs, The Golwynne Chemical Corp, Madras

MANGROVE EXTRACT—1,000 bgs, River Plate Import & Export Co, Buenaventura

MENTHOL—20 cs, A Caillier, Shanghai—30 cs, R J Prentiss & Co, Shanghai—20 cs, Magnus, Mabee & Reynard, Shanghai—68 cs, Volkart Bros, Santos

MICA—246 cs, Wm Brand & Co, Calcutta—200 cs, Schwab Bros Corp, Calcutta—25 cs, J F Gerneau Co, Calcutta—272 cs, Westinghouse Electric International, Calcutta—33 cs, A O Schoomaker Insulation, Inc, Calcutta—125 cs, Whittaker, Clark & Daniels, Calcutta—1,186 cs, Cornelis & Suhr, Calcutta—50 cs, Mineral & Insulation Co, Calcutta—5 cs, American Mica Co, Calcutta—651 cs, E Munsell & Co, Calcutta—100 cs, General Electric Co, Calcutta—130 cs, Otto Gerdau Co, Calcutta—323 cs, Ford Radio & Mica Co, Calcutta—295 cs, Gillespie, Rogers, Pyatt Co, Calcutta—1,004 cs, J F Garneau Co, Calcutta

MOLASSES—457 tons, Standard Brands, Inc, Salaverry

MUSK—1 cs, M R Ziegler, Shanghai—2 cs, Kane Import Co, Shanghai

MUSTARD SEED—167 bgs, Becker Mayer Seed Co, Copenhagen—200 bgs, A Ertag, Copenhagen—170 bgs, J Henry Schroeder Banking Corp, Copenhagen

MYRRH GUM—1 bg, Djibouti

OLIVE OIL—136 dms, Eastern Commercial Co, Beyrouth—89 dms, Richard Daniel, Beyrouth—40 dms, Haladi Corp, Beyrouth—725 cs, Beroli Import Co, Leghorn—113 dms, Pan American Trust Co, Bari—52 dms, Bari

ORANGE OIL—41 cs, Dodge & Olcott Co, Kingston—20 cs, Kingston

ORANGE PEEL—25 bgs, J Schomberg, Cape Haitien

ORIGANO LEAVES—110 bgs, Vera Cruz—108 bgs, C T Wilson & Co, Tampico

ORRISROOT—29 bgs, J L Hopkins & Co, Leghorn—53 bgs, Corn Exchange Bank, Leghorn

PALLADIUM—15 cs, Amtorg Trading Corp, Leningrad

PAPAIN—7 cs, R J Prentiss & Co, Colombo—71 cs, C L Huisking & Co, Mombasa—150 cs, S B Penick & Co, Mombasa—20 cs, MacPherson Grain Co, Mombasa—56 cs, J L Hopkins & Co, Mombasa

PAPRIKA—400 bgs, Joensson & Cross, Valparaiso—200 bgs, Chase National Bank, Lisbon

PAREIRA BRAVA ROOT—26 bls, S B Penick & Co, Santos

PATCHOULI OIL—2 dms, Mombasa

PEPPER, BLACK—200 bgs, C M Van Sillevoldt, Hongkong—100 bgs, Hongkong—30 bgs, C T Wilson & Co, Rotterdam

PETROLEUM, CRUDE — 121,665 bbls, Standard Oil Co, Porto La Cruz—111,649 bbls, Standard Oil Co of N J, Cartagena—100,226 bbls, Standard Oil Co N J, Las Piedras

PIMENTO—80 bgs, Continental Bank & Trust Co, Kingston—leaf oil, 1 dm, Dodge & Olcott Co, Kingston

PINENEEDLE OIL—54 pkgs, Amtorg Trading Co, Leningrad

POPPYSEED—150 bgs, Levy & Levis Co, Rotterdam—50 bgs, Joel Bieler Export & Import Co, Rotterdam—164 bgs, Louis Furth, Rotterdam—100 bgs, R L Friedler, Inc, Rotterdam

PYRETHRUM FLOWERS—1 bl, S B Penick & Co, Port au Prince—398 bls, Reconstruction Finance Corp, Dar Es Salaam—500 bls, John Powell & Co, Mombasa—375 bls, McLaughlin, Gormley & King, Minneapolis, Mombasa

QUASSIA CHIPS—120 bgs, Peek & Velsor, Kingston—wood, 112,000 lbs, W & A Leaman, Kingston

QUEBRACHO EXTRACT—1,500 bgs, Vermlye Co, Hull

QUICKSILVER—150 flasks, Pacific International Corp, Coquimbo—100 flasks, C P Hull Co, Tampico—2,480 flasks, Chemical Bank & Trust Co, Genoa

RESIN—25 cs, E Meer & Co, Trieste

RHUBARB—8 cs, Geo Posner Co, Shanghai—16 cs, Brown Bros-Harrimann Co, Shanghai

ROOT, MEDICINAL—140 bls, Antwerp

ROSEMARY LEAVES—200 bls, Kachurin Drug Co, Lisbon

ROSIN, LIQUID—628 dms, Guaranty Trust Co, Stockholm—2,096 bbls, Guaranty Trust Co, Uddevalla

SABIN OIL—1 dm, P R Dreyer, Trieste

SAFFRON—5 bgs, Vera Cruz

SAGE LEAVES—59 bls, S B Penick & Co, Trieste—500 bls, Joensson & Cross, Trieste—502 bls, Otto Gerdau Co, Trieste—84 bls, M J Golombeck, Trieste—303 bls, Becker Mayer Seed Co, Trieste—304 bls, Sokol & Co, Chicago, Trieste

SANDALWOOD OIL—9 cs, Givaudan-Delawanna, Madras

SARSAPARILLA ROOT—6 bls, Tampico

SEAL OIL—11 dms, National Oil Products Co, St Johns

SEEDLAC—830 bgs, The Mantrose Corp, Calcutta—700 bgs, Wm Zinsser & Co, Calcutta—900 bgs, Ralli Bros, Calcutta—650 bgs, Schwab Bros Corp, Calcutta—100 bgs, Bradshaw Praege Co, Calcutta—500 bgs, C H Timm & Co, Calcutta—500 bgs, Mac Lac Co, Calcutta

SENNA LEAVES—22 bls, R J Prentiss & Co, Port Said

SESAME SEED—16 bgs, Marine Midland Trust Co, Cristobal

SHELLAC—650 bgs, Bradshaw Praeger & Co, Calcutta—50 bgs, Cornelis & Suhr, Calcutta—300 bgs, The Mantrose Corp, Calcutta—300 bgs, Paul & Stein Bros, Calcutta—1,403 bgs, Wm Diehl & Co, Calcutta—1,150 bgs, Wm Zinsser & Co, Calcutta—300 bgs, Ralli Bros, Calcutta—100 bgs, Schwab Bros Corp, Calcutta—250 bgs, P N Rowe, Calcutta

SIENNA EARTH—500 bgs, 122 bbls, Reichard-Coulston, Inc, Leghorn

SOAPBARK—200 bgs, S B Penick & Co, Valparaiso—388 bgs, R J Prentiss & Co, San Antonio

SODA SILICOFLUORIDE—400 bbls, H Sundheimer & Co, Copenhagen

SPERM OIL—400 bbls, Guaranty Trust Co, Porto Delgada

SQUILL, RED—1,101 bgs, S B Penick & Co, Alicante

STEARIN PITCH—135 dms, C S Ziegler & Co, Hull

SUMAC—25 bgs, Zenobia Co, Iskenderun

TALC—2,010 bgs, Charles Mathieu, Inc, Genoa

TAPIOCA FLOUR—1,943 bgs, Stein, Hall & Co, Santos

TARA, GROUND—625 bgs, Zinsser & Co, Callao

TARTARIC ACID—20 bbls, A I Hahamovitch, Montreal, Barcelona

TEAWASTE—545 bgs, Maywood Chemical Works, Calcutta

TRAGACANTH GUM—174 bgs, Rohner Gehrig & Co, Beyrouth

TUNG OIL—2,193 dms, Universal Trading Corp, Shanghai—300 dms, National City Bank, Shanghai—550 dms, Bank of China, Shanghai—273 dms, Irving Trust Co, Shanghai—175 dms, Wessel, Duval & Co, Shanghai

TUNGSTEN ORE—906 bgs, Watson, Geach Co, Recife

UMBER, EARTH—250 bgs, J Lee Smith & Co, Larnaca—403 bgs, Reichard-Coulston, Inc, Larnaca

UREA—7,334 bgs, 500 tons, Antwerp

VANILLA BEANS—15 cs, Marine Midland Trust Co, Rotterdam

VITAMIN OIL—17 dms, Capetown

WALNUT LEAVES—10 bls, Peek & Velsor, Oporto

WATTLE BARK—1,671 bls, Hammond & Carpenter, Durban—extract, 3,270 bgs, River Plate Import & Export Co, Durban—977 bgs, Littlejohn & Co, Durban—1,022 bgs, M S Kattenhorn & Co, Durban—5,401 bgs, Bank of New York, Durban—8,640 bgs, Mombasa

WAX, VEGETABLE—455 cs, United States Commercial Co, Kobe

WHITING—1,200 bgs, Taintor Trading Co, Hull

WOLFRAM CONCENTRATES—198 bgs, Watson, Geach & Co, Callao—ore, 361 bgs, W R Grace & Co, Mollendo—160 bgs, M J Golombeck, Mombasa

WOOL GREASE—29 dms, Pfaltz & Bauer, Hull—300 dms, Faesy & Besthoff, Manchester

Baltimore

CHROME ORE—1,996 tons, Westinghouse Electric International Co, Lourenco Marques—500 tons, Wm Muller & Co, Lourenco Marques

FERRO TITANIUM—16 dms, C Tennant & Co, Liverpool

FLINT PEBBLES—680 bgs, National Sales Corp, Antwerp

MANGANESE ORE—2,000 tons, Carnegie Illinois Steel Co, Calcutta

MICA WASTE—750 bgs, Richmond Mica Corp, Lourenco Marques

OLIVE OIL—75 cs, Berolio Import Co, Leghorn

Boston

FISH LIVERS—37 bbls, First National Bank, Lisbon

COD OIL—218 dms, C H Powell Co, St Johns

OLIVE OIL—150 cs, Berolio Import Co, Leghorn

OSSEINE—564 bgs, Atlantic Gelatine Co, Antwerp

SHELLAC—200 bgs, Mac Lac Co, Calcutta

TEXTILE GUM—60 cks, J P Marston & Co, Liverpool

Philadelphia

ALCOHOL—1,350 dms, Schenley Distilleries, Santos

BONE, CRUSHED—5,000 bgs, Kind & Knox Gelatine Co, Calcutta

CHROME ORE—2,850 tons, E J Lavino & Co, Lourenco Marques

COCOABUTTER—334 cs, Woodward & Dickerson, Bahia

COD OIL—22 dms, Reilly, Whiteman, Walton Co, St Johns

KYANITE—100 tons, Trident Traders, Inc, Calcutta

SEAL OIL—15 dms, Reilly, Whiteman, Walton Co, St Johns

SHELLAC—50 bgs, Wm Zinsser & Co, Calcutta

SODA SILICOFLUORIDE—214 bbls, H Kohnstamm & Co, Copenhagen

SUMAC LEAF—200 bls, American Dyewood Co, Palermo

San Francisco

CUMIN SEED—160 bgs, H M Newhall & Co, Beyrouth

VITAMIN OIL—8 dms, Bank of California, Capetown—12 dms, Wilbur Ellis Co, Capetown

Glass Container Shipments Decreased in November

OPD Washington Bureau

Shipments of glass containers in November, reflecting a reduction in the number of working days, declined 9 percent from October, according to preliminary figures released by the Bureau of the Census. Total shipments reported in November amounted to 9,600,000 gross, or 938,000 gross less than in October, but over 710,000 gross more than in November, 1945. Production also declined 9 percent; 9,600,000 gross were produced in November, compared to 10,500,000 gross in October.

Almost all types of containers showed decreases. Shipments of food containers declined from 4,200,000 gross in October to 3,700,000 gross in November, and medicinal and health supplies containers dropped from 1,700,000 gross to 1,300,000 gross. These two items accounted principally for the over-all decrease. Other large decreases were shown for returnable beverage bottles, nonreturnable beer bottles, dairy products containers, and fruit jars, while returnable beer bottles registered a slight increase.

Shipments for export, reversing the trend of the past few months, rose sharply from 140,000 gross in October to 242,000 gross in November, a gain of over 70 percent.

More detailed statistics will appear in "Facts for Industry," Series M77C-116, "Glass Containers, November, 1946," which will be published shortly.

Trade Briefs

Lever Brothers has appointed Frank R. Brodsky director of advertising for the Pepsodent division.

Cunningham Drug Stores has transferred Miss Mildred Meyer from head of its baby department to head of its cosmetic and toiletries division.

Burrell and Neidig, Inc., industrial chemical consultants, New York, have prepared for general distribution a complete literature search entitled "Pentaerythritol Uses — A Bibliography," which is available from the company at $15 a copy.

Barnett's
CAROTENE

FREE TESTING SAMPLES
Ideally suited as a source of Vitamin A and coloring for many food and pharmaceutical products. No fishy odor or taste. Potencies up to 1,350,000 units per gram. NEW LOW PRICES.
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CHLOROPHYLL
and other CHLOROPLAST PIGMENTS
OIL, WATER, ALCOHOL AND ACETONE SOLUBLE
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ESPECIALLY PURIFIED
PHENYLMERCURIC COMPOUNDS
For Pharmaceutical And Cosmetic Use
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CAROTENE CRYSTALS
(Alfalfa Leaf)
Stabilized at 1,400,000 USP Vitamin A units per gram
Lowest Prices — Immediate Deliveries — Packed for Export
AMERICAN CHLOROPHYLL INC. Alexandria, Virginia
Processors and Refiners of
CHLOROPHYLL, CAROTENE, XANTHOPHYLL Since 1933

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Finest Quality LANOLIN
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EXCELLENT KNOCKDOWN . . . HIGHER KILL

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Pyrexcel (finished insecticide)	98%	92%
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Botanical Drugs, Spices, Gums

One of the conditions outstanding in the botanical market at the turn of the year was the almost total absence of distress selling by either buyers or sellers. A common presence in the market at this time in any year is that of inventory reduction by the device of distress offerings of unwanted merchandise at prices calculated to interest buyers.

In the matter of medicinal botanicals, distress selling is usually confined to consumers who have found themselves long of this article or that. It rarely is engaged by in botanical dealers because most often they take inventory and end their business year on June 30. In this way, the business year is brought into the best alignment possible with the natural crop year. But buyers of medicinal botanics do often reduce the stocks at the end of the calendar year. In condimental items, the end of the calendar year often is accompanied by the offering of "long" stocks at distressed prices.

This year, no one seems to be "long" of any items. Shortages are more nearly the rule and the result of fairly tight inventory positions is to keep prices generally firm in the almost total absence of distressed sales or inventory liquidation.

Considerable interest is found in the fact that in 1947 the fate of the botanical drug cultivation industry in Argentina may be decided if European factors achieve normality in their operations. European exiles during the war went to the Argentine and instituted cultivation projects that at this time rest mainly in the hands of three large dealers who maintain facilities for cleaning, sorting, grading, and storing the Argentine crops. Research by a government agency is also maintained in botanicals and essential oils. It is one year old and its activities are expected to broaden.

Thus, Europe, the normal primary market for a large number of botanicals, and Argentina, the country that developed a rather large industry during the war, will contend. Even now, Argentina has invaded Europe with chamomile flowers—which is a major crop on the European continent. The future should be interesting.

Balsams

Copaiba—The market ended the year in very firm position with stocks definitely conservative but with conditions suggesting some improvement in 1947 supplies.

Fir—Little competition prevailed locally and the market ruled firm, although not very active, throughout the past week.

Peru—Trade was light. The market was steady as to price and the market undertone seemed to have become slightly steadier with the turn of the year.

Tolu—Went into 1947 in very light supply although arrivals had been more frequent and larger toward the end of 1946. Prices held steady around $4.25 per pound. Little demand was current last week.

Imports Detained by FDA

Week Ended December 27, 1946

New York

Amyris oil, 10 drums: not sandalwood oil.

Arnica flowers, 20 sacks: insect infested; filthy.

Cassia oil, 25 drums: contains rosin and heavy metals.

Chillies, 127 bags: live and dead insects; filthy.

Coriander seed, 555 bags: filthy.

Cumin seed, 271 bags: water damaged; insect infested.

Digitalis leaves, 46 packages: not USP—excess moisture.

Dill seed, 237 bags: filthy.

Ergot, 620 packages: not USP—excess moisture.

Nutmegs, 70 bags: moldy and wormy.

Olive oil, 8 drums: decomposed.

Pepper, black, 117 bags: excess siftings and pickings.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Mustard seed, Montana, brown, 2c. per lb.
Nutmeg, West India, spot, 2c. per lb.

Prices Reduced

Drugs

None

Other Articles

Anise, Chinese, ½c. per lb.
Cassia, Saigon, all medium, 1c. per lb.
Celery seed, Indian, ½c. per lb.
Cinnamon, Ceylon, No. 2, 2½c. per lb.
Coriander seed, Argentine, ½c. per lb.
Cumin seed, India, futures, 1c. per lb.
Persian, 1c. per lb.
Mace, West India, futures, 10c. per lb.
Mustard seed, Montana, oriental, futures, ½c. per lb.
Nutmegs, West India, futures, 1c. per lb.
Pepper, black, 9c. per lb.
nearby, 2c. per lb.
white, 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
295.0	**295.0**	**293.9**	**258.6**

(For Current Prices see Page 9)

Barks

Black Haw—Buyers after the turn of the year find only limited stocks against which to draw and it is not likely that the supply can be increased sooner than the collection of another crop.

Cascara Sagrada—Reported to be in exceptionally firm position in the primary market where the 1946 peel has been moved to a very substantial extent. There is also a shortage of aged bark. However, most manufacturing consumers are carrying better than fair reserves, a fact that removed the buying pressure that might produce advances in the first quarter of the new year.

Cinchona—The new year, it is hoped, will bring back the importation of bark direct from the Netherlands Indies and its disposal here without "benefit" of government allocation and control. A return to more peaceful politicals in the NEI would be of real assistance in returning trade in cinchona bark to its normal basis as a private enterprise. Given a reasonable "break," the Dutchmen in Batavia will do a real job in restoring normal trade.

Beans

Calabar—Not too much interest seems to be shown in the restoration of normal spot stocks of this article. But supplies are expected to increase this year.

St. Ignatius—Those who have had firm offers of this article from its point of origin report inability to stir much interest among manufacturing consumers here. Botanical dealers hold very little, if any.

Vanilla—The outlook favors firm prices and even possible advances when transactions in the new crops throughout the world become possible. France has every intention of getting all possible returns on the produce of her colonial islands and since European consumption is more likely than not to increase, the United States will possible encounter more competition in buying during the year ahead. Present stocks were considered to be very low here.

Berries

Cubeb—Sufficient berries have been imported to permit some oil to be made in this country and it was returned to quotation lists last week. Botanical dealers hold limited quantities of berries but seem to have sufficient to cope with present demand.

Juniper—Imports last year reached excellent totals and provided most manufacturing consumers with sufficient goods for their immediate requirements. Prices have also become steadier and although still above the prewar norm, seem likely to be maintained here because of conditions in the European markets.

For Late Market Developments, See Page 4

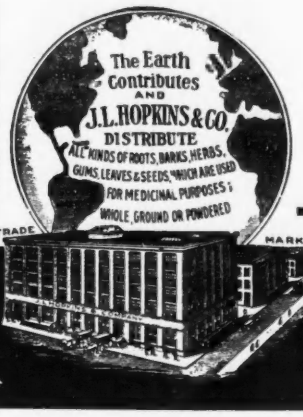
For an artificial maple flavoring with "true to life" taste and rich "log cabin" bouquet—use

HOPKINS' CONCENTRATED

ARTIFICIAL

MAPLE FLAVOR

Perfectly blended, Hopkins' Concentrated Artificial Maple Flavor lends itself readily to smooth, uncomplicated manufacture. Its tangy, true, fragrant aroma leaves nothing to be desired. Every batch is blended to uniformity of taste and bouquet. Hopkins' Concentrated Artificial Maple Flavor is readily soluble in water and requires nothing to be added. Because of its remarkable concentration manufacturers find it the answer to utmost economy.



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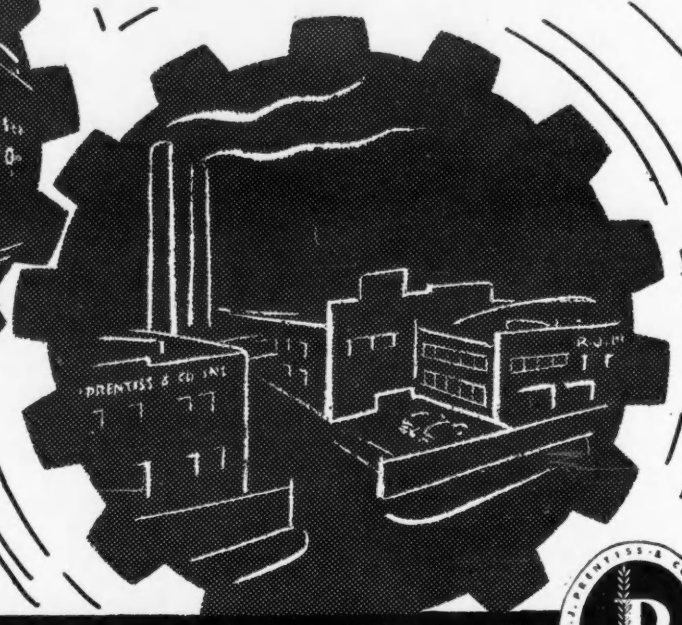

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Flowers

Calendula—Foreign goods supply domestic consumers' needs and it seems unlikely that flowers will be cultivated in California in 1947 if the growers must obtain around $2 per pound—as has been reported when foreign goods have been bought on spot around $1.15.

Chamomile—Presumable, a crop is now being prepared in South America and in a few months, Europe will again have opportunity to collect the item. It remains to be demonstrated that both areas can maintain export trade in the article and some think world consumption would not support two primary markets so widely separated on the globe.

Clover—Enough was believed to be in hand to cover most consumer requirements between now and the advent of new crops. Prices ruled in very steady position.

Elder—No oversupply is being carried in this market and the situation is sufficient to make for price maintenance despite the absence of much trading interest at the moment.

Gums

Arabic—The year ended with prices steady but comparatively low compared with levels reached at times during 1946. Present values are believed to be rock bottom and the next price swing—if any—was expected to be upward if demand continues to expand at the source.

Asafetida—Demand was light last week, being merely jobbing at all times. However, replacement cost tended to support values and their maintainance was also aided by the absence of much local competition.

Benzoin—A year ago, no Sumatra gum could be bought here. At present, a very fair sized stock of the article is well distributed on spot and although the price is very high, it is moving steadily into consumption.

Camphor—In 1947, more Chinese camphor should be arriving on this market and restoration of trade along limited lines may be expected in tablets, slabs, and powder if prices can be brought down to what buyers might consider reasonable limits. It may be doubted that much BB grade of camphor will find a market here now that domestic synthetic camphor is supplying most of the needs of the celluloid and resin makers at comparatively low prices.

Galbanum—Not much was in hand and not much call existed. The market was very firm for the little that was obtainable.

Gamboge—This was another article that has not been well restored to spot stocks during the past week. A few lots have been in hand at times but at the end of the year, the market was virtually bare of stocks and prices were about nominal.

Karaya—The outlook for excellent trading in 1947 was considered good. It was excellent in 1946 and sufficient to keep the market clear of unusual competition between suppliers.

Myrrh—Seasonal demand prevailed and was expected to be well maintained during the early part of the new year. Prices were about steady.

Herbs and Leaves

Adonis Vernalis—A year ago, none was in this market. Now, there seems to be a fair supply but it has been obtained at a relatively high cost to the importers and, consequently, prices hold firm when demand remains light.

Broomtops—The recent advance was firmly maintained and even in the dull period of the year more than a fair amount of selling has fully supported the prevailing prices.

Buchu—Inquiries for deliveries fairly early in 1947 have turned into firm orders and the business done has added to the firmness surrounding spot prices at the present time.

Coltsfoot—Seasonable request has held more than usually stable even in the closing days of the year and the market generally was declared to be on the steady side throughout the past week.

Horehound—Price stability governed at the turn of the year and reserves were sufficient to cope with any important expansion in consumer operations.

Lobelia—Demand pressed lightly last week. In fact it has done so for some time past. Sellers reported firm

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prices prevailing on the supply remaining from the 1946 crop.

Passion Flower—Not too much was in hand and some indicated that a sharp rise in consumer needs might produce upward reaction in the at present very firm spot quotations on this item.

Peppermint—Importers look forward to restoring full stocks of this article through importations from European points this year. Most of the goods reaching here in 1946 have gone into consumption and the spot carryover into the new year was comparatively small.

Miscellaneous

Cantharides — Considerable Chinese material has been received in this country, but very little has come in from Russia. High prices keep demand at a minimum, but a fair amount of pressing demand plus primary market replacement costs holds prices firm on flies from China.

Ergot—More detentions were noted last week. It seems difficult to get goods certain to pass on arrival here. From January through August, 1946, imports totaled 93,616 pounds, which compares with 64,902 pounds arrived during the corresponding months of 1945.

Lycopodium — Russia has resumed shipping to this country and during the past week 50 bales reached here from Leningrad. Not too much of this merchandise reached these shores during the last half of 1946, but the trend is toward restoration of normality in imports.

Manna—Buyers at least stood some chance of getting a spot delivery, which was quite different than it was a year ago. The market has not been especially active, but trading has been active enough to keep prices at least steady during the slowest season of the year.

Papain—First cost of material now arriving on this market was such as to virtually prevent any price recession from the high levels current on spot at the end of the year. During the past week, arrivals were 48 cases, 40 of which came from Mombassa and the balance from Colombo.

Roots

Blood—Consumers won't find more than meager supplies of this article available earlier than the collection of the 1947 crop. The market showed signs of strengthening in response to a moderate rise in inquiries.

Galangal—Fair sized but certainly not large quantities of this "Chinese ginger" exist on spot whereas a year ago there was virtually none. Low stocks keep prices firm regardless of light call.

Goldenseal — Export interest has abated, leaving the market more or less firm at the high of advances made earlier in the past week. Reappearance of export request would find the market still sensitive because supplies are very small. Nor is it likely that stocks will be increased in 1947 over those available in 1946.

Ipecac—From Cartagena came 25 bags of this root last week and it arrived on a market of strong prices and little competition between suppliers. Needs are being barely supplied by the current volume of importations.

Orris—Importations totaled 82 bags last week, all of which came from Leghorn, Italy. It was the first arrival over a considerable period of time and was totally without immediate affect on the current price structure.

Rhubarb — Shanghai, China, continued to get goods through to this market, a lot of 24 cases being reported arrived during the past week. The market was very quiet throughout the entire period.

Sarsaparilla—Some of the shortage of Mexican root was relieved on spot when 59 bales reached this market from Tampico, Mex. The undertone of the market was very firm and prices were stable.

Seeds

Anise—Chinese star anise was reduced to 21½c. to 22c. per pound when selling pressure developed at the turn of the year.

Celery—Indian seed moved into consumption at 24c. to 24½c. per pound, being a shade lower as to price.

Coriander — Argentine seed was shaded to 6½c. to 7c. per pound and reports indicated that no produce from Morocco was available.

Cumin—Indian futures were down to 43c. to 43½c. per pound and Persian seed in future shipment position was shaded to 40c. to 41c.

Fenugreek—During the past week, 112 bags of this seed arrived from Karachi, India.

Mustard—Montana brown futures at the source advanced sharply to 16c. to 16½c. per pound. Yellow seed at the source went to 20½c. to 21c. and oriental seed futures at the source were shaded to 8½c. to 9c.

Spices

Cassia—All medium Saigon cassia was lower at 38c. to 39c. per pound. The balance of the cassia group lacked quotable change.

Cinnamon—Ceylon No. 2 material broke sharply in price and reached $1 to $1.10 per pound by the movement in buyers' favor.

Ginger—African root was reduced still further, being offered at 14c. to 15c. per pound.

Mace — West India material in future position was lowered to $1.60 to $1.70 per pound.

Nutmeg—Spot material was available at 83c. to 85c. per pound and futures were offered at 80c. to 81c.

Pepper — Government stocks of black pepper were being sold heavily. Recent transactions ranged in price from 50c. to 62c. per pound but the majority of sales were made between 50c. and 55c. per pound. Spot prices were dropped to the basis of 51c. to 52c. per pound. Nearby futures were priced at 49c. to 50c. and pepper due in January was offered at 48c. to 49c. White pepper was lowered to 60c. to 61c. per pound.

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Essential Oils, Other Aromatics

Lower prices were quoted for eight essential oils last week in direct reflection of the improved import situation which developed throughout 1946 in the majority of items included in the market. Cardamom oil prices rose sharply as spice prices in the Indian market soared, and quotations for 100 percent xylol musk were advanced in view of increased raw material and production costs. Trading in the market was generally good, although the holiday and inventory period tended to diminish inquiry slightly.

The reduced prices noted in natural Italian bergamot, Brazilian bois de rose, natural white camphor, coriander, Bourbon geranium, lemongrass, Spanish sage, and spruce oils last week resulted in a price index figure of 222.4, exactly that of the market during the first week of 1946. Investigation showed that diminishing prices of Italian bergamot oil and rising prices of natural peppermint and spearmint oils closely paralleled each other in their total effect upon the price index. While bergamot prices did not drop as much as peppermint and spearmint prices rose, the lower prices in other oils affecting the index helped to equalize the changes to a point where the index assumed exactly the same figure during the first week of this year as it did during the same period one year ago. The trend during the past year was primarily toward lower prices in the imported oils, and the improving import situation during recent months would indicate that this trend should continue throughout the early part of this year.

Inventories of imported oils were almost universally better this year than they were a year ago, and the outlook for further gains in that direction during the current year was good. Some oils were still acutely short at the year's end, but the overall picture displayed improvement and a trend, which had every indication of continuing, sponsored widespread optimism for stock availability in 1947.

Market Trends

Prices Advanced

Cardamom oil, $5.50 per lb.
Musk, xylol, 100%, 20c. per lb.

Prices Reduced

Bergamot oil, nat., Italian, 15c. per lb.
Bois de rose oil, Brazil, 10c. per lb.
Camphor oil, white, nat., 10c. per lb.
Coriander oil, 50c. per lb.
Geranium oil, Bourbon, $1.50 per lb.
Lemongrass oil, 5c. per lb.
Sage oil, Spanish, 10c. per lb.
Spruce oil, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.4	226.9	227.0	222.4

(For Current Prices see Page 9)

Essential Oils

Anise—Interest in the Chinese anise oil market showed steady improvement last week as stocks began to accumulate in the American market and indications were that dealers and consumers could be assured of a fairly steady supply in the future. Prices were steady but were gradually becoming easier. Buyer interest was maintained at a fairly high level in spite of the holiday period. Imports during the period under review included twenty drums from Hong Kong.

Bergamot — Prices were reduced 15c. per pound for natural Italian oil last week, establishing a range of prices from $4.35 to $6.50 per pound. The gradual development of a regular supply of this type of oil, and the accumulation of stocks in the American market sponsored the change. No imports were recorded during the period under review, but there was little alarm expressed throughout the trade, and the general consensus was that after the first of the year the volume shipments would begin again and be maintained at a steady rate. Buyer interest was moderately active, with material moving fairly well on spot.

Bois de Rose—Steady improvements of stocks readily available to consumers in the American market, and the gradual easing of the situation at the Brazilian primary markets, sponsored a price reduction of 10c. per pound for this oil last week, establishing a range from $5.15 to $6.00 per pound. Buyer interest was not materially diminished from the high level it had maintained during the period of acute shortages, although there was a slight slump in buying during the holidays. There were no imports reported during the period under review.

Camphor—Natural white camphor was quoted 10c. per pound below the previous price by one dealer last week, establishing a range from 75c. to $1.25c. per pound for the material. The oil continued to be reported in fairly limited supply, and there was little indication that widespread improvement could be expected momentarily. There was slight optimism in the face of rumors that restrictions on trade with Japan were pending abolition, and it was felt in some quarters that supplies from that source would arrive in the American market with surprising speed. No imports were noted during the period under review.

Cardamom—Rising prices for spices in the Indian market forced an advance of $5.50 per pound in the quotations for the oil in the American market, as material was offered in a range from $24.50 to $30.00 per pound. Limited stocks curtailed trading materially, but buyer interest was held at a good pace throughout the week, although the holiday had been expected to diminish inquiry somewhat. All prices were decidely firm, and there was little hope of easing within the near future.

Cinnamon—There were no imports of either bark or leaf oil reported during the period under review, and the stock situation continued to grow increasingly difficult. Bark oil was in particularly short supply, and quotations rose as high as $60.00 per pound, $5.00 per pound above the previous highest quotation. Some bark oil continued to be offered at $32.00 per pound, but stocks of low-priced oil were thoroughly limited. Trading throughout the market was curtailed not only by lack of materials, but by buyer disinterest stemming from the inability of dealers to offer workable quantities. All prices were firming, and there was little hope of improvement held out.

Coriander — Interst in this item

Essential Oil Imports in January-August

A preliminary report on total mports of essential oils into the United States during the first eight months of 1946, and a comparison with the similar period of 1945, has been released by the Bureau of Census. Import figures, in pounds, for various oils, were as follows:—

	Jan.-August 1946	Jan.-August 1945
Anise	284,590	5,980
Bergamot	88,812	110,810
Bois de rose and lignaloe	333,571	75,341
Cajeput	6,000	.....
Camphor oil (specific gravity 1.07)	4,914	32,751
Cananga or ylang-ylang	60,843	32,655
Caraway	3,256	2,206
Cassia	156,538	11
Cedarleaf	20,288	7,762
Cinnamon leaf	58,583	38,470
Cinnamon, n.e.p.i.	201	25,308
Citronella	510,432	529,465
Clove	341,132	165,191
Cornmint	.....	6,614
Eucalyptus	524,698	373,730
Geranium	83,108	87,044
Grapefruit	67	7,472
Juniper	25,203	38,795
Lavender	302,989	105,279
Lavender spike	70,348	185,926
Lemon	69,464	35,316
Lemongrass	555,226	917,836
Lime	81,475	112,793
Orange	59,826	429,956
Orange flower or neroli	643	1,427
Origanum	12,486	7,106
Palmarosa	9,955	2,795
Patchouli	6,037	3,577
Peppermint	31,051	16,261
Petitgrain	316,459	328,851
Pine needle	74,852	64,050
Rose or otto of roses*	30,564	15,656
Rosemary	92,829	97,026
Sandalwood	11,790	7,770
Thyme	7,038	18,634
Vetiver	20,187	33,190
All other	1,045,160	847,512

* Ounces.

For Late Market Developments, See Page 4

continued to be narrow last week as buyers awaited lowered prices and concentrated their buying on small lots. One dealer lowered his quotation 50c. per pound, establishing a range from $17.50 to $22.50 per pound. Dealers continued to be faced with a high replacement cost, and there was not too much material available. The last reported import of this oil had arrived well over a month earlier, and there was little indication that there would be any improvement in the import position of the oil within the next few months.

Cubeb—Cubeb oil was offered last week for the first time in well over a year, with prices ranging from $12.00 to $13.00 per pound. Buyer interest was fairly spontaneous, with inquiries on spot beginning promptly.

Geranium—Improving stocks of Bourbon oil sponsored a reduction in price last week as the material was offered at $15.00 per pound, $1.50 per pound below the previous quotation. Some dealers offered Bourbon oil at prices as high as $22.00 per pound, but buyer interest was primarily concentrated in the lower-priced oils, and it was rumored that some buyers were withholding inquiries in the hope of further reductions. The optimism aroused late in November by the arrival of fairly large volumes of oil from foreign sources was diminished somewhat during the month past as no imports had been reported during that period.

Juniper Berry—One dealer quoted this oil at prices as high as $13.00 per pound last week, although it had been reported earlier that interest was narrow and the stocks on hand were moving slowly. Another dealer offered the oil as low as $6.00 per pound. No imports were reported to have entered the American market during the period under review.

Laurel—One case of laurel oil arrived in the United States from Trieste last week, the first import to have been reported during 1946. No prices were quoted, and none of the material was immediately offered for resale.

Lemongrass—Prices for this item were reduced 5c. per pound last week in reflection of the steadily improving supply situation. The price range established by the change was from $3.75 to $4.45 per pound. Buyer interest, which had persisted throughout the trying period of acute shortages, was maintained at a high level as the outlook for availability of stocks became increasingly favorable. Dealers were generally of the opinion that further improvement in the import position of this oil would inevitably develop following the beginning of the new year. Imports during the period under review included three drums from the Dominican Republic.

Lemon—Gradual improvement in the import situation for Italian oil was well underway last week, although it was generally felt that prices at the source were slightly higher than they should be for sponsoring unhesitating activity in the American market. Interest in both imported and domestic oils held steady during the period under review, and the majority of prices were steady. The Production and Marketing Administration of the Department of Agriculture announced the sale of 6,510.25 pounds of Sicilian oil of lemon, fit for human consumption, at $2.00 per pound. There were no imports reported during the period under review.

Orange—Demand for both domestic and imported oils held prices steady last week although there was a reported improvement in stocks of both types, and movement on spot was excellent Domestic oil prices were said to be slightly easier in some quarters, but there were no price revisions noted in this market during the period under review. Reports during the past week included sixty-one cases of oil from Jamaica.

Palmarosa—Waning buyer interest moved one dealer to lower his quotation 15c. per pound last week narrowing the price range. The oil was offered last week in a range from $8.50 to $9.35 per pound. Activity throughout the market was practically at a standstill as stocks were

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very tight, and buyers were maintaining a disinterested attitude. There were no imports reported during the period under review.

Patchouli—Definite improvement in the supply situation in this oil resulted in further narrowing of the price range last week as one dealer lowered his price from $108.00 per pound to $98.00 per pound. Prices ranged upward from a quotation of $58.00 per pound. Buyer interest was slightly improved over that of the previous week, but it was still evident that some consumers were awaiting still further price decreases before placing their orders. Most of the trading last week was confined to the lower-priced stocks, which were reported to be moving well on spot. Imports during the period under review included two drums from Kenya Colony, British East Africa.

Pineneedle—The second shipment of this material from Russia within two months was received last week when fifty-four packages arrived in the United States from Leningrad.

Sage—The quiet nature of this market, which had been operating in a strictly routine manner for several weeks, brought about a reduction of 10c. per pound for Spanish sage last week. The oil was offered in a range from $2.25 to $3.50 per pound. Stocks were fairly good, but demand was slight.

Sandalwood—Development of a regular supply from India was eagerly hoped for last week, as nine cases of oil arrived from that source, and there was a flicker of optimism throughout the trade. Stocks in the American market were generally in a depleted condition, and the only movement reported was on spot. Buyers were clamoring for all available material and prices were decidely firm as many dealers were unable to offer any material. In recent weeks Indian oil had entered the United States in fairly large lots, and with increasing regularity, but demand was so great that no stocks could be accumulated.

Savin—Diminishing costs at primary sources enabled one dealer to reduce his quotations on this oil last week by $4.00 per pound, narrowing the range. The material was offered in a range from $6.25 to $16.00 per pound. It was expected in some quarters that there would be a good deal more oil available early this year, and that trading, curtailed for many months, would begin to assume more normal proportions. One drum was imported from Trieste during the period under review.

Spruce—This material was offered at a price 10c. per pound below the previous quotation last week in view of the mild buyer interest and fairly good stocks. The range established by the change was from $2.50 to $2.75 per pound.

Aromatic Chemicals

Raw material shortages, raw material costs, and higher production costs wielded strong influence in the aromatic chemicals market last week as there was little variation noted in the market picture. Buyer interest was well maintained in spite of the inability of producers to meet the urgent demand and the definite firming of many prices. One dealer found it necessary to advance prices for 100% xylol musk, terpineol, prime and extra, and terpinyl acetate, prime and extra in view of rising material and production costs. Other dealers did not report advances in these items, but it was noted that a definitely firm tendency prevailed in them throughout the market.

Relief of raw material shortages was still awaited with firm conviction that the improving import situation was an indication of a moderate trend toward normalcy which should eventuate during 1947. Shipments of essential oils used in the manufacture of aromatic chemicals continued to enter the American market with heartening regularity, and the lemongrass and petitgrain stocks have shown particular gains in recent months.

Musk—An advance of 20c. per pound for 100% xylol musk was reported last week by one producer, narrowing the price range for this item. The material was offered from $1.60 per pound to $2.00 per pound in 100 pound cans, from $1.70 to $2.60 in 25-pound cans, and from $1.85 to $2.95 in 5-pound cans.

Trade Briefs

Armstrong Cork Company has added Byron T. Petry to the Chicago office and transferred William R. Kiner and John Seele, jr., to the New York office.

Guatemala has ruled that foreign firms may not sink wells in that country but they may acquire a minority interest in local companies.

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Distillation Symposium Sponsored by ACS

The development of atomic energy has created a new and vast field of organic chemistry with immediate and far-reaching applications to the nation's chemical industry, Dr. Manson Benedict, director of development of Hydrocarbon Research, Inc., New York, reported December 30 at a dinner held in Pittsburgh in connection with the thirteenth annual chemical engineering symposium sponsored by the division of industrial and engineering chemistry of the American Chemical Society.

A whole new class of plastics, lubricants and solvents already has been made available as a result of research on the preparation of uranium for the atomic bomb project, according to Dr. Benedict, who supervised the designing of the $500,000,000 gaseous diffusion plant at Oak Ridge, Tenn.

The new peacetime materials, made chiefly of fluorine and carbon, were developed to provide special protection for the equipment and substances employed in the gaseous diffusion process, Dr. Benedict said.

Explaining that it was found necessary to work with uranium compounded with fluorine, Dr. Benedict stated that this compound reacts so readily with water and most organic materials that elaborate precautions had to be taken to exclude them from the process.

Aside from the separation of Uranium 235, he said, gaseous diffusion has only a limited field of applicability, because it is complicated and costly, and often less efficient than other types of separation.

"In fact," he declared, "this field is such a restricted one that it seems to me that the concentration of Uranium 235 may well be the only separation to which gas diffusion may be advantageously applied."

Perhaps the most important outgrowth of the whole development, Dr. Benedict said, is the improved understanding of other separation processes obtained by comparing them with gas diffusion. Through study of the principles of the gas diffusion process, he predicted, chemical engineers will learn new ways of thinking about and improving distillation and other familiar separation processes.

Dr. Edward R. Weidlein, director of the Mellon Institute for Industrial Research and honorary chairman of the symposium, was toastmaster at the dinner, held in the Hotel Webster Hall.

Better products and lower costs in many fields of chemical industry are promised by recent advances in the field of distillation, Dr. T. J. Walsh of the Standard Oil Company of Ohio, Cleveland, declared at the opening of the two-day symposium, which was held at the Mellon Institute and has distillation as its general theme.

Presenting a general review of distillation progress, Dr. Walsh said that under the stimulus of World War II "vast new fields of interest have been opened for investigation" and have shown that the science of distillation is "just beginning."

"As an art," he asserted, "distillation had its origin many years ago. Early chemists performed feats of separation by distillation that most of us would not attempt today. Commercial stills were concentrating alcohol or separating petroleum crude oils long before it was possible for science to explain how the results were achieved."

Although great strides were made after World War I in the understanding of this fundamental process, which he defined as "vaporizing part of a mixture of substances and recovering as separate products both the vapor and the residue," Dr. Walsh asserted that "actually we know little more about distillation than did the master brewers of yesterday."

Recent progress in laboratory distillation, he said, has been in the direction of more highly refined equipment and better control of the process, which will make distillation a more useful research tool, while in commercial distillation improved understanding of the process has tended to increase productive capacity and improve the efficiency of separation.

Dr. John R. Bowman of the Mellon Institute presided at the morning session, and Professor Joseph C. Elgin of Princeton University, symposium chairman, at the afternoon meeting. Francis J. Curtis, vice-president of the Monsanto Chemical Company, St. Louis, is chairman of the division of industrial and engineering chemistry.

Anglo-Mexican Petroleum Corporation's business functions have been transferred to an associated company, Asiatic Petroleum Corporation.

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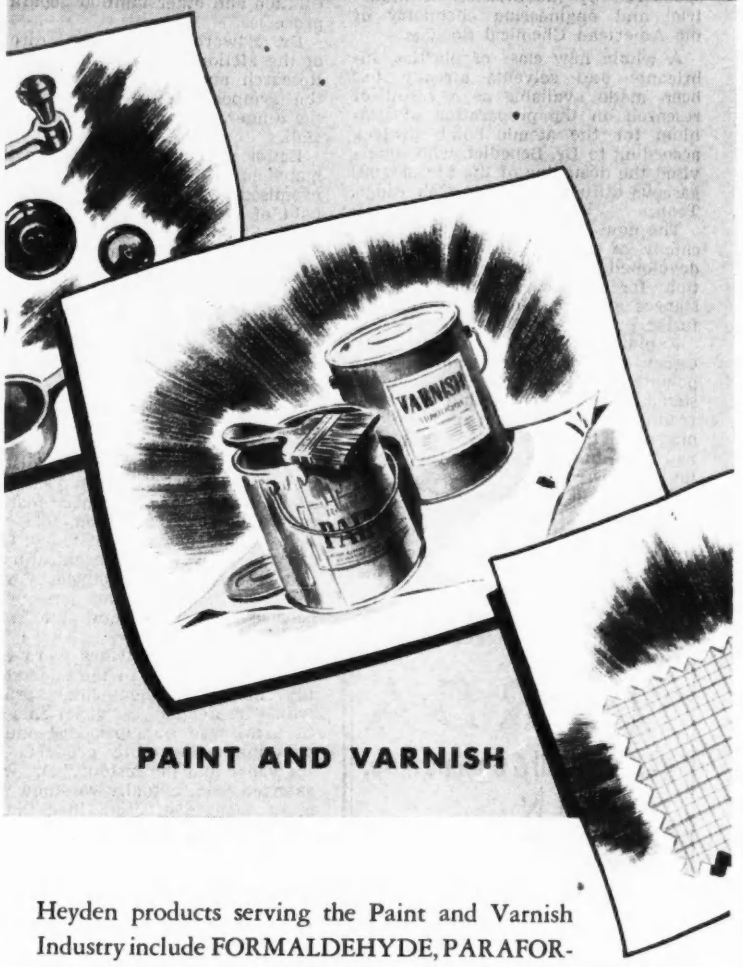

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Protective Coatings Materials

Leaving behind it a year of shortages and unstable prices, the protective coatings market made plans calculated to start and finish 1947 with a great deal more harmony than had prevailed in the past year. Prospects for increased supplies in many markets were in view but, unfortunately, this could not be extended to the remaining markets. Zinc, varnish gums, and naval stores were expected to assume positions where a better balance between supply and demand would result.

Prices for the past week generally remained firm, although there were advances established in the carbon black, bone black and color markets. Turpentine experienced another decline and was expected to continue fluctuating for an unpredictable length of time in the future.

Announcement that no further HH ratings for paint required for completion of the Veterans' Housing Program was made on December 27. However, all such ratings assigned prior to December 24 are still valid and must be honored by suppliers.

From New Zealand came word that certain exemptions from the sales tax in that country were made effective as of August 16, 1946. Stocks on which sales tax had already been paid could be sold at a price to recover that tax. Some items exempted were:—Paints, colors, varnishes, lacquers, enamels, linseed oil, turpentine and turpentine substitutes.

The final decision with regard to the rosin export policy had been expected to be announced last week but was not forthcoming. The decision now rests with the Office of International Trade and an announcement is expected within the next week or two.

Market Trends

Prices Advanced

Black, bone, 1c. per lb.
carbon, l.c.l., 1½c. per lb.
channel, ½c. per lb.
Blue, alkali, dry, 15c. per lb.
potash, C.P., 2½c. per lb.
Prussian, 6c. per lb.
ultramarine, 1c. per lb.
Red, lake C toner, 8c. per lb.
lithol toner, 5c. per lb.
lithol-rubin toner, 12c. per lb.
para toner, 5c. per lb.
toluidin toner, 12c. per lb.
Orange, chrome, C.P., ½c. per lb.
dinitroanilin toner, 3c. per lb.
Yellow, chrome, C.P., ½c. per lb.
benzidin, 15c. per lb.

Prices Reduced

Turpentine, gum, 2¼c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
169.6	163.8	162.9	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—Controls on the use of lead were revoked by the CPA on December 27, but producer inventory reports continued to be required. Many producers, and especially consumers, had looked forward to this act for some time. However, the present shortage of materials due to the enormous demand being voiced, and the prospects of a continued shortage throughout 1947 lessened the amount of rejoicing that had been expected when this move finally came about.

Announcement was made from the United Kingdom that effective January 1, the price for domestic lead would be advanced 2.7c. per pound with the new price becoming 12.85c. per pound. American lead prices remained firm with the figure of 12.55c. per pound in New York being quoted.

Zinc—There were no new developments in this market last week. Although the present supply situation was regarded as tight, prospects of a year of "full and plenty" were in view as greater zinc production was expected and larger imports from both Mexico and Canada were held to be likely. As to what will happen to the zinc price remains anyone's guess.

It was possible that the present price might remain for some time with only duty and transportation charges resulting in a change. Present production was being quickly consumed with the price for Prime Western remaining at 10.50c. per pound in East St. Louis and 10.94c. in New York.

Pigments

Litharge—Consumers continued to ask for large amounts of this material but producers were totally incapable of supplying a majority of their needs. Supplies were pitifully small and were distributed on an equal basis to those consumers who had previously placed orders. Prospects of production of larger supplies were reported. Prices were firm and unchanged during the period under review.

Lithopone — Available supplies were inadequate to fill the needs of active consumers engaged in the present veteran's housing program. Stocks were easily disposed of as a distinct seller's market was witnessed. Production was good but buyer requirements were too much for an already overworked industry. Prices were unchanged last week.

Red Lead—The lifting of controls governing the use of lead in pigments by the CPA should bring some relief to this supply-starved market although the amount of relief will be small due to the over-all lead shortage. Demand continued to be good although hopes of receiving appreciable amounts of this material were very small. A backlog of orders continues to be built up as producers hopefully await a break in the lead situation. Prices remained the same for the period under review.

Titanium Dioxide — This market continued tight as good stocks were soon absorbed by eager buyers. Titanium dioxide had been in good supply during a greater portion of 1946 but towards the end of the year, a scarce supply situation was encountered as the excellent demand proved to be too much for present production facilities.

White Lead—The need for exterior house paints continues to grow but the resulting need of white lead for greater production is limited by the inability of producers to obtain adequate lead supplies for white lead production. Revocation of the CPA order L-354 lifts the restrictions on the amount of lead to be used in pigment production which some producers declared to be the chief factor for the present white lead shortage. However, a continued pig lead shortage in 1947 will do much to prolong the present shortage of white lead. Prices were firm during the period under review.

Zinc Oxide — Good call by both rubber and paint manufacturers caused a strain on production as the supply situation was stated to be very tight. With greater paint production in 1947 almost a necessity, it was hoped that this material would not become so scarce as to prove to be a major bottle-neck. Prices were unchanged during the past week.

Dry and Chemical Colors

Benzidin Yellow — Advancing 15c. per pound in price, benzidine yellow was being quoted at $1.60 per pound.

Blues—Dry alkali blue was reported to have been advanced 15c. per pound with a price of $1.90 per pound being quoted. Potash C. P. blue was up 2½c. per pound with the new price becoming 48c. per pound. Prussian blue was being quoted at 42c. per pound, indicating a 6c. per pound advance. On January 1, ultramarine blue was increased 1c. per pound and was now selling for 28c. per pound.

Carbon Black — On January 1 channel black prices were advanced approximately ½c. per pound with the price of compressed beads in bags becoming 6.4c. per pound for carlot quantities and less carlot quantities delivered 10¼c. per pound. Uncompressed, regular, carlots in bags became 7.4c. per pound with less carlot quantities, delivered, becoming 11¾c. per pound. Furnace black carlot prices remained the same but less carlot prices, f.o.b. ware-

For Late Market Developments, See Page 4

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Dinitroanilin — An advance of 3c. per pound for orange dinitroanilin toner made the current quotation for this commodity $1.15 per pound.

Iron Oxides—The supply situation in this market remained critical although good shipments totaling 500 bags and 1,294 barrels were received in American ports during the period under review. Demand continued to be good even though adequate supplies were not available.

Lake C Toner—Red lake toner was reported to have been advanced 8c. per pound to the new price of $1.05 per pound.

Lithol Toner — The new price of 70c. per pound for red lithol toner indicated a price rise of 5c. per pound in this market.

Lithol - rubin Toner — Previously being quoted at $1.18 per pound, red lithol-rubin toner was advanced 12c. per pound to the new price of $1.30 per pound.

Orange—Chrome orange, CP, was now selling at 24c. per pound as a result of a ½c. per pound advance recently put into effect.

Para Toners — An advance of 5c. per pound was reported to have been effected in this market with the new price for red para toners becoming 80c. per pound.

Sienna Earth — American sources were the recipients of shipments of this commodity from Italy amounting to 500 bags during the period under review.

Toluidin Toner—Red toluidin toner was reported to be selling at $1.25 per pound, indicating an advance of 12c. per pound.

Yellow—Chrome yellows, CP, were advanced ½c. per pound over the former quotation of 23½c. per pound.

Umber Earth — Reported arrivals of shipments totaling 653 bags of this material were received in American ports from Cyprus during the period under review.

Driers and Flatteners

Napthenates — The elapsed short holiday week saw no material change in this market, indicating that demand remained active and was able to be adequately met with appropriate supplies as good production continued. The absence of shortages placed this market in an enviable position as producers advanced the opinion that this prevailing adequate production would probably continue with a resulting harmonious market in evidence for some time to come. There was no backlog of orders and producers were capable of supplying newly placed requests with no difficulty. Prices remained firm during the period under review.

Resinates — Materially unchanged over the past short holiday week, steady call against previously placed contracts absorbed the majority of production in the precipitated resinate market as producers declared shipments to be from one to two months behind schedule. Fused resinates were also unchanged last week as good demand continued and was capable of being met with adequate stocks as production remained favorable, assuring consumers of necessary stocks to meet their requirements. The price structure remained firm last week over the previous week's slight advance in precipitated resinates.

Stearates—Becoming slightly monotonous was the report that the supply situation in this market was again very short with little hope of a substantial improvement in the near future although producers continue to hope and strive for increased production. However, raw material shortages, accentuated by the small production of stearic acid, remained the chief factor for inadequate production. Demand continued to be voiced as good even in the face of these shortages, but producers were totally unable to meet a majority of the orders desired. Prices were firm and unchanged during the period under review.

Fillers and Extenders

Barytes—Maintaining its good production pace, the barytes market was in a healthy state last week as producers stated that adequate supplies were on hand to satisfy the active buyer interest witnessed in the market. No backlog of orders existed and shipments were smoothly flowing to consumers. This balanced supply and demand situation was expected to continue in 1947 unless unforeseen developments occur.

Clay—The United States Commercial Company disposed of approximately 100 metric tons of German blue clay in its recent sale. The successful bids ranged from $111.50 per ton to $130 per ton, averaging $118.95 per ton, f.o.b., German port.

Graphite—It was reported last week that 500 bags of this commodity were received in home ports from Ceylon.

Talc—Used as an inert extender in paint manufacture, this commodity was in demand but supplies were relatively short. Alleviating this scarcity to some extent was the reported arrival in American ports of good shipments from Italy amounting to 2,010 bags.

Whiting — Absent from the list of imports reported to have been received during the past two weeks, a substantial shipment of whiting, totaling 1,200 bags, was reported to have arrived in home ports last week.

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Varnish Gums

Gums—Demand for "spot" stocks of these materials was in evidence again last week but few stocks were available. However, only small quantities of these gums were stated to be arriving from Far Eastern ports. There were no arrivals reported last week.

Shellac—A quiet market was witnessed last week but producers were optimistic that 1947 would bring a greater interest in the market since they were hopeful of greater supplies being available, and that some degree of competition would return to the market with a resulting decrease in prices. At present, it was the opinion that the high prices being quoted was the chief barrier to an active market as consumers refrained from purchasing appreciable quantities of high-priced materials. Raw shellac was arriving in good quantities but difficulty was encountered in acquiring the chemical agents necessary for bleaching and refining.

Good shipments of shellac were reported to have arrived in home ports last week with the following quantities arriving from India: Buttonlac, 200 bags; garnetlac. 50 bags; seedlac, 4,180 bags; shellac, 4,553 bags.

Lacquer Materials

Butyl Acetate—In spite of persistent acetic acid shortages resulting in the noticeable curtailment of butyl acetate production, activity on the buyer's part remained at a high level even though supplies were not available in the quantities desired. Producers were hopeful of an improvement in the raw material supply situation and were eager to do all possible to bring production up to the level required. Like so many other materials in the paint industry, demand for butyl acetate shows no sign of diminishing as paint requirements remain at a high level. Prices for both natural fermentation and synthetic butyl acetate were firm during the period under review.

Butyl Alcohol—Bouncing back after the dull Christmas week, demand resumed its normal high proportions in this market and producers resumed the difficult job of seeking methods for greater production in order to acquire the supplies desired by consumers. As a result of the good grain crop this year, raw materials necessary for natural fermentation products were in good supply, but the large demand that has been forced on production has taxed production capabilities to the limit.

Prices for natural fermentation and synthetic materials were firm and unchanged during the period under review.

Dibutyl Phthalate—Limited production continues in this market as raw material shortages prolong the supply scarcity that has already been existent in this market for some months. However, this shortage has not been reflected in the demand as good buyer interest continues to be noted. Over-all production remains slow with some producers withdrawing this commodity from their production lists until such a time as production impediments were reduced to a workable extent. Prices were firm and unchanged during the past week.

Naval Stores

Rosin—Trading was limited last week due to the short week encountered as a result of the holiday. There were but two markets witnessed at Savannah, Monday and Friday. Previously, the market was active as consumers attempted to build up their inventories in anticipation of rosin exports being decontrolled with a resulting increase in price. It was thought that announcement concerning this proposed decontrol would be made by the OTC soon before or after January 1, but it now appears that another week or two bill elapse before a final decision is reached. It was deemed possible that in place of outright decontrol, a fourth quarter quota of 175,000 drums would be set with decontrol occurring at the beginning of the 1947-1948 naval stores year.

On Monday, the Savannah market witnessed a 2¾c. decline in the tur-

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pentine price to $1.18¼c. per gallon. There were 16,200 sales and shipments totaled 2,124 barrels. Receipts amounted to 2,100 barrels and stocks reached 3,584 barrels.

Turpentine—This market was slow again last week, always characteristic at this time of the year. Some supplies were available but, in general, they were small as production was over until the new crop sometime in April. It was the opinion that the present price might go down further, but also would probably rise when consumers attempt to replenish their inventories which are now dwindling.

Savannah, Dec. 30.—A record of the rosin market for today was as follows:—Sales, none; receipts, 3,414; shipments, 9,875; stocks, 10,731. The following prices were quoted:—Grade B, $6.85; grade D, $7.15; grade E, $7.55; grade F, $8.10; grades G through X, $8.11.

Glues and Binders

Bones—Continuing the trend of the past month, good shipments of this material were received in home ports last week when 5,000 bags of crushed bone arrived from India.

Casein—The demand for casein to be used in the manufacture of cold water paints continued to be large although the prospects of obtaining adequate supplies to meet paint production requirements were small as the imported casein situation showed no signs of improvement last week. Consumers would probably pay the price asked, providing that such a price was not overly exorbitant, so great were their needs, but a stable price promoting harmony between Argentine farmers and their government was reported to remain lacking. There were no reported imports of this material reaching this country during the period under review.

Glue—Supplies of bone and hide glue remained hard to obtain last week as good demand proved to be far in excess of the stocks available. Accentuating but not noticeably relieving the situation was the arrival in home ports last week of 167 bags of glue from Brazil and Chile.

Osseine—It was reported during the period under review that 564 bags of this material were received in American ports from Belgium.

Monsanto Gives Graesser New Plastics Div. Post

Appointment of Carl F. Graesser as sales manager of thermosetting molding materials for Monsanto Chemical Company's Plastics Division has been announced by F. A. Abbiati, general manager of sales.

In his new position, Mr. Graesser will be in charge of sales of 'Resinox' and 'Resimene' molding compounds. He will be succeeded as assistant sales manager of thermosetting molding materials by C. L. Richards, jr., formerly branch manager of the division's St. Louis office.

The St. Louis branch managership has been assigned to T. J. Martin, formerly a salesman in the division's Connecticut territory. Appointment of W. H. Face as assistant to the sales manager of thermoplastic molding materials also was announced.

Alpers Honored for Paint Industry Services

William A. Alpers, president of the Cleveland Paint & Color Company, was honored recently at a testimonial luncheon in the Cleveland hotel, for his years of service to the paint industry and activities in civic affairs. Among the members of the committee on arrangement were Roy W. Lindsay, Vice-president, Pratt & Lambert Company, with which Cleveland Paint & Color is associated; E. E. Busse, president of Cleveland Paint, Varnish & Lacquer Association, and R. L. Hawkins, President of Empire Varnish Company. P. L. Garvey, Eagle-Picher Company, headed the committee of arrangements.

Yarnell Paint Co. Names McNerney Technical Head

F. M. McNerney has been appointed technical director of the Yarnall Paint Company, Philadelphia, according to an announcement by William MacKnight, president of the company. Mr. McNerney has spent nineteen years in the paint industry in Philadelphia, and for five years was technical director of the Armstrong Company, Detroit.

Mr. MacKnight also announces six additions to its staff. Robert MacCreight has been named chief chemist; Horace Bentley, special technician; Stanley Barrett, Mary Eagan and Marie Stanton, laboratory assistants, and John Allen, cost clerk.

Carson & Co., naval stores supplier, Savannah, will construct a warehouse and turpentine packaging plant in that city at a cost of more than $18,000.

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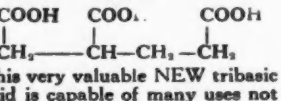

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Paisley Products Buys Lignotite Company

Earl C. Lenz, sales manager of Paisley Products, Inc., Chicago, announces that his firm has purchased the Lignotite Company, Chicago. The purchase included all formulas, manufacturing processes, technical and customer records and supplies. The purchase price and financial details were not disclosed. All manufacturing of the Lignotite product line will be done at Paisley's Chicago plant.

The Lignotite Company had been engaged in the manufacture of casein glues since 1910, and also pioneered in the development of wood preservatives.

Carbozite Changes Name

Carbozite Protective Coatings, Inc., general offices, formerly known as Carbozite Companies, have moved from Pittsburgh, Pa., to the company's plant at 811 South Main street, Greensburg, Pa. Officers of the company will continue to serve in their present capacities, as follows:—Bernard P. Traynor, chairman of the board; William H. West, president; John R. Bigelow, vice-president and treasurer; Samuel Bigelow, secretary; Margaret Baynam, assistant secretary and cashier.

Carbozite manufactures from pyrobituminous minerals a series of protective coatings for pipes, walls, floors, foundations, and metal structural work; also coatings for water-proofing basements and for moisture and vapor-transmission barriers for insulating materials used in building construction.

E.L. Rahm Co. Opens New Plant

The E. L. Rahm Company, paint manufacturer, Chicago, has opened a new plant in that city adding 45,000 feet to present production facilities. The expansion will allow an increase in production of waterproof masonry paint from 2,000 to 40,000 gallons daily. Output of plasticizer will be boosted from 500 to 2,000 gallons daily.

Sun Chemical Names Canadian Agent

The overseas division of the Sun Chemical Corporation, New York, announces the appointment of Natural Products Corporation, Montreal, Quebec, Canada, as exclusive sales agent in Canada for products of the Warwick Wax Company, subsidiary of Sun Chemical.

Manchester Oxide Company Dissolved

Manchester Oxide Company, Ltd., Manchester, England, since 1897 a subsidiary of Hardman & Holden, Ltd., Manchester, was dissolved January 1, and all activities previously carried on by both companies are now being handled by Hardman & Holden.

Detroit Paint Club Plans Party Jan. 18

The annual frolic of the Detroit Paint, Varnish and Lacquer Association will be held at the Wardell hotel on January 18. Cocktails will be served at 6:30 p.m. and dinner an hour later.

Baughn Chemical Elects Lyman Secretary-Treasurer

The Baughn Chemical Products Company, Chicago, announces the election of Thomas M. Lyman to the board of directors and secretary-treasurer.

Mr. Lyman, recently released from the army after more than five years service, was with McKesson & Robbins, Inc., New York, at the time of his induction in June, 1941.

Devlin Elected President Of N.O. Commerce Group

Daniel E. Devlin, general manager and vice-president of the Marine Paint & Varnish Company, New Orleans, has been elected 1947 president of the New Orleans Association of Commerce. He has been a member of the association for twenty-five years.

Chicago Production Club To Meet January 23

The monthly meeting of the Chicago Paint and Varnish Production Club will be held at the Furniture Club of America, January 23. Principal speaker will be R. F. Fey, chief engineer of the H. K. Porter Company, who will discuss ball mills.

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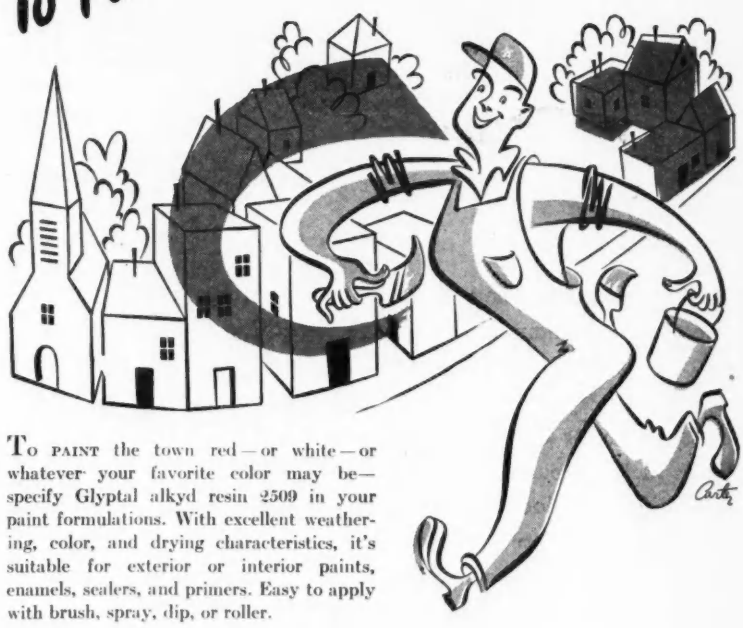

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Viscosity.....Z-Z2	Oil and gasoline resistance...Excellent
Color (Hellige).....1-3	Weather resistance...Excellent
Acid No. of Solution..3-5	Specific gravity (resin).....1.10
Pounds per gallon..7.6	Phthalic anhydride (resin).....35%
Aliphatic solvent tolerance...Excellent	Rosin or derivatives....None
Air dry—setting time.....Medium	Oil acids content..48%
Through dry..Very good	Type of oil.....Soya
Hardness.....Good	
Flexibility.....Excellent	
Gloss.....Good	

Naval Stores Act Revised by D.ofA.

OPD Washington Bureau

Revision of regulations for administration and enforcement of the Federal Naval Stores Act has been announced by the Department of Agriculture. The revision will become effective January 26.

Under the new regulations, the government naval stores inspection service is being extended to meet the needs of all producers of turpentine and rosin more fully by providing for inspection at certain plants by licensed inspectors.

Department officials point out that this extension is being made in response to requests from a number of processors of gum naval stores who operate central gum buying and processing plants. Under the new plan, experienced employees working at "eligible processing plants" will be licensed and authorized to act as official government naval stores inspectors at such plants.

A processor desiring this inspection service should first make formal application to the department to have his plant designated as an "eligible processing plant."

In order to qualify as eligible, the plant must have facilities and operating methods which permit the handling of rosin in a manner allowing an inspector to properly identify and sample the rosin and correctly determine grades, and be one where not less than 50 percent of the gum processed is regularly obtained from other producers and small gum farmers. Wood naval store plants operating principally on purchased stump wood also may become eligible for the licensed inspection service.

After the plant has been inspected and approved as an "eligible processing plant" by the department, the processor may select for licensing one or more employees who meet the qualifications stated in the regulations. Such an employee will apply for a license and, if his application is approved, he will be licensed free of charge to inspect naval stores at the plant as an official inspector.

In order to defray necessary expenses for the service, processors will pay the department an annual fee for each permit authorizing the use of licensed inspectors, together with a small fee for each container inspected and certified.

Roberts Paint Corp. Organized in N.Y.

Roberts Paint Corporation has been organized in New York to act as a parent company and direct the research, manufacturing and marketing operations of Hydall Paint & Varnish Company, Jey Arr Lead Company, Bohner Varnish Company, and other divisions now being organized, according to an announcement by Bernard Rubenstein, Hydall president, who will be president of the new firm.

Copra Plants Planned On Four Calif. Sites

Permits have been issued for the construction of four copra plants in California. Spencer Kellogg & Sons will build two new copra handling buildings at its plant in Long Beach, at a cost of $114,000. Copra Oil & Meal Company plans construction of a copra plant in Wilmington, at a cost of $70,000, and the Vegetable Oil Products Company will build a $10,410 copra mill in Wilmington.

Fats, Oils, Output, Consumption: Nov.

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for November, 1946, as compiled by the Bureau of Census, follows:—

Vegetable Oils

	Pounds—Production	Pounds—Consumption
Babassu, crude	[2]	2,063,000
Refined	1,355,000	1,111,000
Castor, No. 1, crude	6,289,000	4,776,000
No. 3, crude	1,709,000	1,248,000
Dehydrated	2,065,000	1,738,000
Sulphonated	.....	140,000
Chinawood or tung oil	[2]	2,617,000
Coconut, crude	18,827,000	38,577,000
Refined	16,305,000	17,236,000
Corn, crude	20,331,000	21,346,000
Refined	19,487,000	2,929,000
Cottonseed, crude	164,961,000	147,393,000
Refined	138,126,000	129,160,000
Linseed	44,712,000	42,302,000
Olive, edible	[2]	26,000
Inedible	.....	23,000
Sulphur oil or olive foots	.....	38,000
Oiticica	.....	1,917,000
Palm, crude	.....	3,440,000
Refined	.....	330,000
Palmkernel, crude	.....	1,408,000
Refined	.....	[2]
Peanut, crude[1]	13,110,000	15,104,000
Refined	13,940,000	7,370,000
Sesame	.....	4,000
Soybean, crude	134,303,000	129,289,000
Refined	120,031,000	106,744,000
All other	2,387,000	2,147,000

Animal Fats

Lard, rendered (including neutral lard and rendered pork fats)	177,792,000	3,010,000
Neatsfoot oil	142,000	240,000
Tallow, edible	7,510,000	4,540,000
Inedible	75,532,000	80,687,000

Fish and Marine Mammal Oils[3]

Cod	548,000	847,000
Codliver	.....	1,506,000
Marine mammal	562,000	.....
Other fish	[4]9,957,000	[5]18,000,000
Other liver	307,000	502,000

Greases

Greases (including garbage and house), other than wool	44,272,000	37,633,000
Wool grease	1,728,000	1,658,000

Secondary Products

Animal fat and oil fatty acids	18,395,000	18,220,000
Animal foots, 100% basis	2,013,000	2,961,000
Fish and marine mammal fatty acids	2,729,000	585,000
Grease and lard oil	3,913,000	3,010,000
Oleo oil	4,730,000	785,000
Red oil or oleic acid	6,724,000	5,033,000
Stearic acid	4,891,000	4,646,000
Foots, from fish and marine mammal oil (100% basis)	[6]	388,000
Stearin, animal, edible	2,819,000	1,288,000
Inedible	3,054,000	1,375,000
Stearin, vegetable, oil, winter	8,381,000	6,627,000
Tallow oil	2,033,000	919,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	15,841,000	13,332,000

Other Products

Glycerin, chemically pure (100% basis)	5,126,00	5,263,000
crude (100% basis)	11,896,000	11,890,000
high gravity and yellow distilled (100% basis)	5,832,000	5,244,000
Hydrogenated oils, edible	98,147,000	95,784,000
Inedible	16,337,000	15,128,000
Shortening	157,006,000	747,000
Winterized vegetable oils	32,538,000	.....

[1] Data on production collected by Bureau of Agricultural Economics; stocks held by crude peanut oil producers also reported by Bureau of Agricultural Economics, whereas those held at refineries are collected by the Bureau of the Census.
[2] Included in "All other" vegetable oils to avoid disclosures of operation of individual establishments.
[3] Fish and Wildlife Service collected the data from fish oil producers.
[4] Includes 2,913,000 pounds of menhaden oil and 6,628,000 pounds of herring, sardine and pilchard.
[5] Includes 2,634,000 pounds of menhaden oil and 13,880,000 pounds of herring, sardine and pilchard.
[6] Not shown to avoid disclosure of individual operations.

Raw Materials Used

	Tons—Consumption	Tons—Stocks Nov. 30
Castor beans	8,682	12,559
Copra	15,949	33,704
Corn germs	25,182	555
Cottonseed	525,238	1,091,085
Flaxseed	63,962	79,760
Soybeans	451,608	1,709,672
Peanuts[2]—		
Farmer's stock[3]	11,692	398,027
No. 2 and oil stock[4]	10,480	9,103
Other	3,965	3,181

[1] Included in other seeds.
[2] Bureau of Agricultural Economics collected the data on consumption and stocks of peanuts.
[3] Weights shown for peanuts in shell. Stocks figures include quantities held for making peanut butter, candy, and for other uses, as well as for crushing.
[4] Weights shown for shelled peanuts. Stocks figures include quantities held at all commercial locations, principally for crushing into oil and meal.

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Photo courtesy Devoe & Raynolds Company, Inc.

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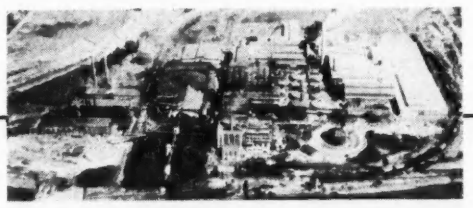

• Aerial view of the Titanium Pigment Corporation plant at Sayreville, New Jersey, one of the factories where TITANOX pigments are produced to the standards of unusually high quality that make them *preferred pigments.*

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N.Y. Paint Technicians Discuss Resins

The New York Paint and Varnish Production Club was addressed at a meeting in the Building Trades Employes building, January 2, by Dr. Werner R. Husen, technical director of sales for Krumbbhaar Chemicals, Inc. Dr. Husen, who illustrated his talk with a film, discussed basic raw materials and general chemistry as they apply to the three groups of resins:—Phenolics—100 percent and modified; maleic and fumaric, and copal-type synthetics.

He discussed and illustrated the construction details of a modern stainless steel resin kettle with accessories, such as agitator, cooling coils, reflux condenser and strip heaters, etc., as well as kettle heating, which is done entirely by electricity, which includes wiring, safety devices, distribution of current, temperature control, etc.

The making of an experimental resin batch in the laboratory, together with production control methods such as color determinations, melting points, acid values and viscosities was also shown, and illustrated plant operation, running of the kettles, refluxing, use of the vacuum and finally unloading.

A portion of his film was dedicated to the evaluation of finishes made from synthetic coating resins. It includes accelerated weathering tests, hunter refractometer operation, comparative bodying rates of varnishes cooked with resins of various groups under equal conditions, the alkali resistance of the same varnishes and ends with a few cross sectional views of protective coatings as they are found in industry.

Amer.-Marietta Acquires 15th Manufacturing Unit

The American-Marietta Company, paint manufacturer, Chicago, has purchased the Charles R. Long, jr., Company, Louisville, Ky. This acquisition increases American-Marietta's nation-wide chain of manufacturing plants to fifteen.

The Long company, currently celebrating its fiftieth anniversary, manufactures paints, varnishes and lacquers. The company has a large volume in other industrial fields, including paints for machinery and other metal products.

Kenneth E. Clarke has been named president of the Long subsidiary and Walter C. Jeppson vice-president. Mr. Clarke came to American-Marietta in 1944 from the Long company, where he had been a vice-president and an employee for twenty-five years. He is also general manager of the Ferbert-Schorndorfer division of American-Marietta at Cleveland, and he will divide his time supervising the activities of both units.

Pierce & Stevens Adds to Staff

Pierce & Stevens, Inc., lacquer manufacturer, Buffalo, has added William G. Cook to the sales staff and named Thomas P. Barron advertising manager. Mr. Cook recently was discharged from the Marines, and Mr. Barron formerly was assistant advertising manager for Dresser Manufacturing Company, Bradford, Pa.

Short Supply Items

—Continued from page 3

moved from the short supply list through changes certified on October 1 and November 1. No changes were made on December 1. With the changes now certified the agricultural commodities still listed as in short supply consist of the following (any any food or food product which contains at least 20 percent of any one or more of the commodities actually listed):—

Protein meals; animal tankage and meat scraps, and other animal product feeding stuffs; soybeans; cottonseed; flaxseed; peanut meal; peanut oil; grain sorghum oils and sweeteners; olive oil; tung nuts; flavoring syrups; gum turpentine; fish meal and fish scrap; fish oils, except fishliver oils.

Of the agricultural commodities still on the short supply list, only sugar and sugar solutions (including syrup and molasses), corn sugar and corn syrup, and rough and finished rice are now under price control.

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A. V.	3-5

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METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Oils, Fats and Waxes

Firmness continued to dominate the oils and fats market last week, despite the holiday quietness. Improved demand for soybean oil for prompt and nearby delivery and limited offerings resulted in fractionally higher prices. Copra market also was stronger with the increased costs of shipments from the Philippines. Castor oil was boosted owing to the increased cost of production, as a result of steady buying of castor beans in Brazil for European account at mounting prices. Linseed oil continued in limited supply and the market was firm at the recent advance.

Department of Agriculture has announced that the United States expects to import approximately 240,000,000 pounds of fats and oils and to export approximately 138,000,000 pounds during the first quarter of 1947. This is on the basis of the International Emergency Food Council recommendations for the distribution of fats and oils during the first quarter of 1947. Exports contemplated would consist principally of lard, soybean oil, shortening, margarin and soap. Imports would consist of copra, for crushing into coconut oil, linseed oil, castor beans and oil and smaller quantities of tung, rapeseed and other oils. To meet our needs for palm oil, which are not covered by the I.E.F.C. first quarter recommendations, the department contemplates negotiating with Belgium for about 65,000,000 pounds in exchange for a like amount of domestic oils. All imports and exports under these recommendations are to be carried out for the most part by private enterprise. Import permits and export licenses must be obtained in every case, and will be issued only in conformity with the I.E.F.C. recommended allocations. United States requirements for imported oils and fats will be much greater during the first half of 1947 than during the second half, when increased crop goals should provide more liberal supplies. In implementing the I.E.F.C. first quarter program the United States expects to receive its pro rata liftings of fats and oils from foreign sources regardless of the existence of any purchase contracts.

Cottonseed Oil

As a result of short covering, refined bleachable prime summer yellow cottonseed oil sold at 32c. per pound for January delivery last Thursday on the New York Produce Exchange. This price established a new record for cottonseed oil futures on the Exchange, and exceeded the previous high of 29c. per pound reached during World War 1. It was reported that 15 January contracts were still open. Prices for prompt and nearby positions were firmer, while futures were unchanged.

Crude cottonseed oil was firmer with 27c. per pound, f.o.b. mills, generally bid throughout the belt. Mills were reported sold ahead against seed receipts and offerings were scarce.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Thursday, January 2, follow:—

	Sales	Cents per pound—High	Low	Close
January	1	32	32	32 bid
March	..	..	..	28 bid
May	..	..	..	26 bid
July	3	25	25	25¼@26
September	..	..	..	21.60@22
October	..	..	..	21 ask
November	..	..	..	20 ask
December	..	..	..	19 ask

Total sales, 4.

Crude oil was generally bid at 27c. per pound, tankcars, f.o.b. mills, Southeast and Valley.

Memphis.—Trading in crude cottonseed oil continued light, with 27c. per pound, f.o.b. mills, generally bid. Offerings were scarce. Demand for cottonseed meal improved and prices were advanced about $4 per ton. Widespread inclement weather has increased demand for feedstuffs.

Linseed Oil

This market continued in a tight position, in view of the scarcity of oil stocks. The lack of oil has made it difficult to establish a trading basis and quotations were nominal as suppliers were unable to offer at the recent advance. Raw oil was merely nominal at 35.6c. to 36c. per pound, tankcars, on which basis some trading was reported a week ago. The amount of Argentine oil recently allocated in the local market for resale was disappointing and was promptly sold or delivered against former orders. Demand continued active against current contracts.

A leading crusher viewed the oil supply and consumption situation as gloomy and pointed out that the available light stocks of oil, even consumed at the restricted 1945-46 disappearance levels would last until about the middle of March and users would have to depend for relief from the new Argentine flaxseed crop and substitute oils.

Production of linseed oil totaled 44,712,000 pounds, in November against 42,624,000 pounds in October. Consumption in November was placed 42,302,000 pounds, against 44,246,000 pounds, the previous month. Stocks at factory and warehouse were 136,550,000 pounds, November 30 compared with 126,136,000 pounds October 31, it was reported by the Bureau of Census.

Minneapolis.—There was no oil for sale with prices ranging over the 36c. per pound mark in zone 1. It was virtually impossible to establish a trading basis as sales were few and far between and crushers only offered a nominal basis, having no oil to back up price quotations. There was a scattering of resale business from time to time and an occasional small lot sale by a crusher who was able to pick up an extra car of flaxseed, but all in all the market was pretty much a nominal affair. Instructions on maturing oil contracts continued in excellent volume with the crushing rate off to an estimated 50 percent of capacity. Shipments were erratic because of the poor return of tankcars to local crushers and because of slow handling in the yards.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	3,540,000	5,046,000
Since Sept. 1	102,600,000	119,314,000

Flaxseed—Active bidding brought out only a limited quantity of seed, which was snapped up at $7.25 per bushel.

Minneapolis.—Flaxseed market closed one of the most hectic years in the history of the business with buyers scrambling to pick up the few available cars at all-time high prices of $7.25 per bushel. The situation was even more acute than anticipated and crushers are going into the year 1947 with a gloomy attitude and grim forecasts for an almost complete shut-down in crushing operations during the late winter months. Market was definitely bullish and the bulk of arrivals were applied against old contracts. Crushers continued to bid $7.25 for all flax offered to arrive. The seed flax demand was brisk. Supplies were quite poor in some areas, however, and seedsmen and crushers are making every effort to equalize distribution of flaxseed in order to insure interested producers supplies for the 1947 plantings.

Bushels—	Receipts 1946-47	Receipts 1945-46	Shipments 1946-47	Shipments 1945-46
This week	97,600	82,500	.....	1,500
Since Sept. 1.	9,056,600	16,262,500	.....	2,816,500

Flaxseed was quoted at $7.25 per bushel for spot delivery at Minneapolis and Duluth.

Other Vegetable Oils

Castor, Dehydrated—Prices were advanced 1½c. per pound for all grades, owing to the higher cost of castor beans and the increase of ocean freight from Brazil. Demand continued active and exceeded the sup-

Market Trends

Prices Advanced

Castor oil, dehyd., bodied, 1½c. per lb.
Castor oil, tech., No. 3, 1½c. per per lb.
Copra, $3 per ton.
Linseed oil, 8/10c. per lb.
Linseed oil replacement, 6/10c. per lb.
Soybean oil, 1½c. per lb.
Soybean oil, futures, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week	Last month.	Last year.
284.8	283.5	285.3	193.3

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

ply. Orders were accepted on the basis of the price in effect at the time of shipment made against orders. Dehydrated bodied was increased to 38c. per pound, unbodied to 36½c. per pound, tankcars, and No. 3 technical to 30¼c. per pound, tankcars, f.o.b. Eastern mills.

Coconut—Trading was reported dull, with the market steady. Crude oil was quoted at 19c. per pound, tankcars, f.o.b. Pacific coast, January shipment and February-March at 18c. to 18½c., same basis. Crude oil for New York delivery was quoted at 20c. per pound tankcars. Philippine copra market was firmer and prices were advanced to $208 per short ton, c.i.f. Pacific coast and $210 per short ton, Atlantic ports.

Corn—Market remains firm. Consuming demand was active but available supplies were scarce. Crude oil was quoted at 27½c. per pound, tankcars, f.o.b. mills, and refined at 31c. per pound, same basis.

Oiticica—Limited stocks on the spot were firmly held at former levels. Inquiry for replacements was keen, but business was dull owing to the inability of getting offers for shipment from Brazil.

Olive—Trading was inactive. Market was firm as limited supplies on the spot were in firm hands. Edible oil was quoted at $8.25 to $8.50 per gallon, in drums, duty paid. Imports totaled 430 drums, 725 cases, at New York last week for delivery on prior contracts.

Peanut—Production was sold well ahead and crude oil was advanced to 28c. per pound, tankcars, f.o.b. While trading was quiet, offerings also were light.

Soybean — Increased demand for nearby delivery strengthened the market and prices were boosted about 1½c. per pound for nearby and 1c. per pound for futures. Trading was moderate for nearby as offerings were not liberal. Crude oil was reported sold at 26c. per pound, tankcars, f.o.b. mills, for January shipment and 25c. and 25½c. for February. March was quoted at 24c. and April-May at 23c., same basis.

Tall—Inquiry was active for prompt and nearby delivery. With production sold well ahead, supplies were limited. Production was in steady demand on former orders. Prices for refined oil were firm. Crude oil was not available.

Tung—This market continued firm and reflected the strength of the Chinese market. Supplies were reported light for spot and prompt delivery and were maintained at former quotations. Arrivals totaled 3,490 drums at New York and were consigned mostly against previous contracts.

Fats and Greases

Greases—This market was quiet last week, but was steady. Offerings for prompt delivery were light as producers were sold up. Prices were unchanged and maintained at former levels.

Lard — Increased export demand kept cash lard steady, while futures were easier with lower hogs. Lard stocks in Chicago increased 11,545,550 pounds during December and totaled 17,936,140 pounds, December 31, compared with 6,390,585 pounds, December 1 and 12,864,550 pounds, December 31, last year.

Tallow—Buying interest was light last week. Deliveries against contracts were in fair request. Market was steady and quotations for all grades were unchanged. Offerings for prompt delivery were limited.

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Fish Oils

Cod—Imports of 850 drums were noted at New York last week and were consigned against former contracts. Resale oil was reported unavailable in the local market.

Menhaden—Market continued firm. Supplies of refined oil were firmly held at current quotations. Crude oil production was sold ahead and reports from the South stated that it was doubtful that all contracts made on the if and when made basis, would be fulfilled.

Baltimore, Dec. 31.—Whether a resumption of menhaden fishing operations will be resumed after New Year remains to be determined. Recent hauls of fish having been none too big. But as for the taking on of further contracts, that is not likely, with business suspended before Christmas. The fishing companies are apt to be well satisfied if they manage to fill the orders for oil booked, months ago at about 18c to 19c. loose, works. Some transactions are said to have been made at a higher figure, though what appears to have been the highest point of the free market was 25 cents, proved to be only transitory, with the quotations soon reacting lower.

Sardine—Demand far exceeds the current small production. Trading continued dull and featureless. Market was firm.

Fatty Acids

Red Oil—Firm conditions continued to feature this market. Production was sold well ahead and prices remain unchanged and firm.

Stearic Acid—With output sold ahead, the market continued strong at former levels.

Chicago.—Trading quiet. Market firm. Corn oil, double distilled, Chicago, nominal, 26½c. per pound, tankcars; 27¼c., drums, carlots; coconut oil, distilled, 29c., tankcars; 29½c., drums, carlots; cottonseed oil, double distilled, 28½c. per pound, tankcars; 29¼c., drums, carlots; settled cottonseed soap stock, 60-62 percent basis, 12c. to 13c.; boiled down soap stock, 65 percent basis, nominal, 14c. to 15c., drums; cottonseed foots, 50 percent basis, 8½c. to 9c., tankcars.

Cake and Meal

Cottonseed Meal—Inquiry was better as a result of inclement weather. Market was reported firmer, though trading was quiet. Prices in the Valley were advanced $4 to $74 to $75 per ton, mills. In the Southeast 41 percent was nominal at $81 per ton, bagged mills.

Linseed Meal—Meal was in better request and improved the tone of the market. Prices were steady.

Minneapolis.—There was a revival of interest in linseed meal just prior to the cold wave that swept over the Midwest and prices firmed at the $80 mark. Instructions were prompt on both old and new contracts and movement was fair to good, limited only by the availibility of boxcars.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week	7,200,000	7,320,000
Since Sept. 1	138,780,000	176,580,000

Peanut Meal—Trading was light and prices were unchanged and more or less nominal. Offerings were fairly liberal. Meal, 45 percent was quoted at $70 per ton, bagged, f.o.b. mills in the Valley.

Soybean Meal—Offerings emanated from resellers last week, with producers practically out of the market. Business was quiet. January production was sold ahead and offerings were scarce at $71 to $71.50 per ton, f.o.b. Decatur. February shipment was named at $70 and March, $69, same basis.

Waxes

Carnauba—While business was slow in the spot market, reports from Brazil stated that an active inquiry was received for shipment. Trading was quiet, with offers scarce. Prices on the spot were unchanged and steady. Exports of carnauba wax from Brazil to the United States totaled 6,084 metric tons during January-June 1946 and were 59 percent larger in quantity and 180 percent higher in value than for the same period in 1945, according to Brazilian custom statistics.

Japan—Two lots of Japanese vegetable wax have been put up for sale by the United States Commercial Company. Bids will be received up to 12:00 noon January 16. Terms and conditions at request from Washington. One lot is sixty-four cases (14,336 pounds) of flag brand; the other is seventy-six cases (17,024 pounds) of first A brand.

SPECIAL WAXES
FORMULA $C_{48}H_{98}$

Micro-Crystalline Petroleum Waxes and Paraffins

Napthas and Paint Thinners

•

Available in a variety of colors and melting points for

- water proofing
- frozen food packaging
- multi-wall bags
- food locker paper
- protective coatings
- vat and tank linings
- liners for closures
- rust preventatives

•

Composition of Hovey SPECIAL WAXES. May be expressed approximately by the formula $C_{48}H_{98}$ . . . Hydrocarbons of the saturated aliphatic series.

- odorless
- chemically inert
- excellent electrical characteristics
- tasteless
- high moisture vapor resistance
- excellent heat sealing properties

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We manufacture and compound Hovey SPECIAL WAXES and Paraffins to your specifications and requirements. Your special problems scientifically solved by our laboratory technicians. Write, phone or wire.

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SECOND NATIONAL BANK BUILDING, HOUSTON 2, TEXAS

Petroleum Derivatives

Market activity generally resumed its normal pace last week after some derivatives had experienced slumps in buyer interest during the holiday period. Prices were advanced for microcrystalline waxes effective January 1, in accordance with the announcement of the change a month earlier. One producer of toluol and xylol posted a new schedule of prices in tanks, delivered, with a maximum freight allowance assigned for various points. Stocks of material were generally in good supply, with the exception of paraffin and microcrystalline waxes, and the first week of the new year started off trading with a healthy petroleum derivatives market.

French import duties on gasoline and gas oils (other than gas oils used in carbureting coal gas or water gas) have been greatly increased by an order of August 14, 1946, published in the French "Journal Officiel" of August 21 and effective September 1, 1946. The new minimum rates applying to the United States are as follows (former rates in parentheses): In francs per hectoliter: Gasolines on importation, 1,200 (300); on leaving refineries, 1,189 (289); in francs per 100 kilograms net weight:—Gas oils, other than for use in carbureting coal or water gas, 695 (235). The duties on gas oils, suspended since July 8, 1944, were reestablished by the order of August 14, 1946.

Solvents and Diluents

Aromatic Naphthas—A major producer of toluol and xylol posted a new schedule of prices for tanks, delivered, stating maximum freight allowances at various points, excess freight to be paid by consumers. Prices are as follows (maximum freight allowance in parentheses):—Toluol and xylol, tanks, delivered, per gallon, Arkansas, 23c.; Delaware-Maryland-District of Columbia, 23c. (2¾c.); Detroit, 23c. (1 8/10c.); Louisiana, 23c.; New England, 23c. (2¼c.); New Jersey, 23c.; New York, 23c.; North Carolina, 25c. (5c.); Pennsylvania, 23c. (2¾c.); South Carolina, 26c. (6c.); Tennessee, 23c. (3¾c.); Virginia, 24c. (3½c.); West Virginia, 23c. (2¾c.). Toluol at Chicago: 23c. (2¾c.). Xylol at Chicago: 20c., f.o.b. terminal.

Cleaners' Naphtha—Seasonal consumers dominated the activity in this dull market last week as they had for the past several months. Trading was confined to routine, and the only movement of stocks was against contract orders. The material was in fairly good supply at most centers, and the nature of the market apparently insured the meeting of all demands which might develop within the next few weeks. Prices were steady and unchanged from the previous levels.

Lacquer Diluent—Inquiry improved slightly following the holiday, and the market tone was slightly more active as a result. Material was readily available at all points, and deliveries against both spot and contract orders were well maintained. There was little tendency toward price change, and were held steady at the levels which were effected by the change several weeks earlier.

Mineral Spirits—The market revived slightly late last week after the holiday apathy had diminished, but the tone was, nevertheless, generally dull with very little material moving at any points. Stocks were only moderately good at most centers in spite of the fact that buyer interest was at a low point. Prices were barely held steady by the mild nature of inquiries, but there were no changes reported from any points during the period under review.

Rubber Solvent—The generally active nature of this market persisted in spite of the holiday last week, and large quantities of material were reported to be moving to consumers at most points. Inquiry was good for both spot and contract, with primary interest being directed toward large lot buying. Stocks at all centers were good, and it was generally felt that the derivatives would continue in good supply during 1947. Prices held steady to firm without change.

Markets at Other Centers

Chicago. — The paint industry and some other industrial lines were showing continued interest in obtaining additional quantities of these products going into the new year.

Aromatic Solvents — Interest good, market firm.

Cleaners' Naphtha—Orders good, no price change.

Lacquer Diluent—Business moderate, quotations firm.

Mineral Spirit—Buying fair, no market change.

Rubber Solvent—Interest holds up, market firm.

Stoddard Solvent — Call extensive, prices stable.

V. M. & P. Naphtha—Movement good, quotations steady.

Los Angeles.—Demand for all these materials was good. Offering, were liberal and delivery was prompt.

Lighter Fractions

Butane—Supplies of this derivative were reported to be good at all centers last week as buyer interest was generally well maintained. Shipments against all contracts were reported to be regular and substantial. Prices held steady and were unchanged from the previous levels.

Heptane—Stocks continued to improve last week, and buyer interest advanced proportionately. Inquiry on both spot and contract was improved over the previous week, and it was expected that there would be further buyer interest in the next few weeks. The gradual development of stocks at all centers was also expected to continue. Prices held steady and without change.

Hexane—Inquiry was moderately active last week as material was moving well, and stocks were readily available at most points. Futures buying showed further improvement, a trend which had begun during recent weeks, and showed sufficient impetus to carry on for a few weeks to come. Prices were steady and unchanged.

Pentanes—Spot stocks moved very slowly last week as the primary interest in the market was displayed by contract consumers. Movement of stocks against contract orders was well maintained, and the derivative was generally in good supply. Prices held steady and without change, but there was a slight easing reported from points in view of the retarded interest on spot.

Propane—Industrial consumers made active inquiry for fuel materials last week, and it was reported that substantial shipments were moving against both contract and spot orders at all points. Prices held firm and unchanged.

Markets at Other Centers

Chicago.—Orders for these materials were holding up well. Material was being offered in limited lots.

Butane — Orders for these materials were holding up well. Material was being offered in limited lots.

Butane — Business fair, no market change.

Heptane — Buying modest, market steady.

Hexane—Interest good, quotations unchanged.

Octanes—Buying active, steady prices.

Pentanes—Interest good, firm quotations.

Propane—Business fair, no market change.

Los Angeles.—Demand for these materials continued good. Supplies were excellent.

Petrolatums and Waxes

Microcrystalline Waxes—There was very little material available on spot last week as producers were concerned with the task of filling contract orders which had pushed them behind schedule. Buyers made regular inquiry for spot, nevertheless, only to find that it was impossible to obtain any material. Prices were very firm, and one producer advanced prices, effective January 1, as had been announced earlier. Prices f.o.b. works are as follows:—170-175 m.p., black, 14.5c. per pound; 170-175 m.p., amber, 16c.; 170-175 m.p., white, 27c.; 190-195 m.p., black, 16.5c.; 190-195 m.p., amber, 18c.; 190-195 m.p., white, 31c. Quantity discounts are graduated from ¼c. per pound for 5,000 pounds to 2c. per pound for 300,000 pounds.

Paraffin—Inability of producers to meet demand with any degree of certainty held activity in this item to a slow walk last week as there was practically no material available anywhere in the market and buyers were tending to lose interest altogether. Producers were straining facilities in an attempt to meet previous orders with worthwhile shipments, but prices continued to firm in view of the tight situation. No changes were reported.

Markets at Other Centers

Chicago. — Orders for these products were good in the aggregate and the general tone of the market was one of strength.

Paraffin — Call active, no market change.

Petrolatums—Interest brisk, quotations unchanged.

White Mineral Oils—Buying fair, no price change.

Los Angeles—Paraffin producers were behind schedule, and buyer interest was exceeding supply by a wide margin.

Market Trends

Prices Advanced

Microcrystalline waxes—
white, 2¼c. per lb.
190-195 m.p.—
amber, 1¾c. pe rlb.
black, 1¾c. per lb.
white, 2¼c. per lb.
170-175 m.p.—
amber, 1½c. per lb.
black, 1¾c. per lb.

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 21 totaled 226,111,000 barrels, according to the Bureau of Mines. Compared with the total of 226,966,000 barrels for the preceding week, this represented a decrease of 855,000 barrels, comprising a decrease of 617,000 barrels in stocks of domestic crude and a decrease of 238,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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AUTOCLAVES
1 Blaw-Knox Pressure Tank, 8' x 39'0". shell 1-3/32", 200 lbs., ASME.
1 Impregnator, Fumigator, or Pressure Tunnel, 7' x 7' x 50' with rails, vacuum pump and accessories.
1 Vertical, 4' x 7'6". Forge Welded Steel, 900 lbs. pressure.
1 Vertical, 42" x 24'4", Forge Welded Steel, 600 lbs. pressure.
1 Horizontal 4' x 18' with car and rails; 80 lbs. pressure.
1 Rectangular Vance Retort, 30" x 30" x 10' with 2 crates.

COLLOID MILLS
Premier, Manton-Gaulin, Eppenbach, Charlotte, U.S., others.

CONDENSERS
1 Tubular Condenser, Copper, 4' x 22', having 288 1" tubes, 1,440 square feet.
Devine tubular, Bethlehem, Schutte-Koerting, Stokes Tubular, others.

DRYERS
1 Carrier 4 Truck Dryer, Double Door, 196" x 120" x 11½' high.
2 Conveyor Dryers Single Pass, Apron Type; 18" x 23', and 66" x 21', motorized.
1 Fulton Engineering Rotary Dryer, 3' x 24'.
2 Double Drum Dryers, 27" x 63" with accessories.
1 Louisville Steam Tube Dryer, 38" x 20' long, others.

EXTRUDERS
1 Allen 10" Extruder Strainer.

FILLERS
1 Ertel 12 Spout, Stainless, Vacuum Filler, ⅜" spouts.
3 M & S—6 Piston Fillers.
1 Free Flowing Filler; Triangle N2CA.
10 Pneumatic Scale Tea Bag Fillers and Sewers.
Many other Fillers for Liquids, Semi-Liquids, Dry Powders, etc.

GLASS-LINED EQUIPMENT
1 Glass-lined, Jacketed, Open Top Kettle; 35" x 53", about 200 gallons.
2 Pfaudler, 500 gallon, Vertical, Manhole Type Tanks; Side Entering Agitator.
1 Glass-lined Tank, 150 gallon, 3' x 3', with Side Entering Agitator.

LABELERS
2 Pneumatic and Weeks-MacDonald, straight line, fully automatic.
2 Kyler Can Labelers, or up to No. 3 cans, good for glass jars, 8 oz. to 32 oz.

COMMINUTING MACHINES
23 Fitzpatrick, Model "D", stainless.

RUBBER MILL
1 Vaughan, 60", two roll Rubber Mill.

JACKETED MIXERS
2 Heavy Duty, 9 gallon, double arm, double gear.
2 W & P, 100 gallon, double sigma arm, double gear.

MIXERS FOR DRY POWDERS
Prompt shipment of all sizes, ribbon-type, horizontal, all steel mixers.

PACKAGING EQUIPMENT
Fillers, Pneumatic Scale, Top and Bottom Sealers, Wrapping Machines, Cartoners, etc.

TABLET MACHINES
Stokes, Colton, Kux, Single Punch and Rotary.

SPECIAL ITEMS
7 Copper Coating Pans, 42".
1 Monel Bubble Cup Column.
3 Roller Mills, Day and Ross, water-cooled, 12" x 30".
1 36" Copper Distillation Column with accessories.

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VACUUM STILLS, KETTLES, TANKS

5—Steam Jack. KETTLES, 25, 50, 60 and 80 gal.

26—Closed STORAGE TANKS, rectangular shaped, 73"x34"x60", 700 gal. capacity.

26—Closed STORAGE TANKS rectangular shaped, 56"x46"x72", 800 gal. capacity.

2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.

1—1,200 gal. closed jack. Kettle or Vacuum Still.

3—Closed jack. agitated Kettles or Vacuum Stills.

1—350 gal. closed jack. agit. Kettle.

9—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP ⅛" PLATE.

DRYERS

2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.

1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER complete.

2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.

1—6'x35' Louisville Direct Heat single shell Rotary Dryer.

1—8'x50' Direct Heat Rotary Dryer, double shell.

1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.

2—4'x20' ROTARY KILNS or ROTARY DRYERS, Ruggles-Coles, geared-head, motor drive.

2—20"x48" water cooled 3-ROLLER MILL.

BAKER PERKINS MIXER

1—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity MIXER, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

12—150 gallon STAINLESS STEEL TANKS.

VACUUM FILLING LINE

1—K. K. 8 stem Rotary Vacuum FILLER.
1—K. K. 20' steel CONVEYOR BELT, 4" wide.
1—CAPEM sgl. head CAPPER with auto. CAP FEED.
1—WEEKS automatic straight line LABELLER.

1—Stokes No. 2 gear type TUBE FILLER.
1—Colton No. 2 worm type TUBE FILLER.
1—Stokes TUBE CLOSER & CLIPPER.
1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.

LABELING MACHINES

1—World straightaway automatic LABELER, M.D.
3—Weeks McDonald straight line fully automatic LABELERS, motor driven.
2—World and Ermold semi-automatic LABELING Machines.

MISCELLANEOUS

1—6'x6' OLIVER FILTER UNIT, complete.
1—Gedge Gray 500-lb. DRY POWDER MIXER.
3—J. H. Day, Size D, 600-lb. DRY POWDER MIXER, M.D.
2—450 gal. copper steam jacketed KETTLES.
1—ROTEX SCREEN, 40"x84".
6—150 gal. Sowers-Dopp steam jack. kettles.
1—600 gal. Copper, jacketed, agitated closed KETTLE.
1—250 gal. Copper jack. agit. closed Kettle or Vac. Still.
10—Copper & Aluminum KETTLES to 500 gal. cap.
3—Day size "D," 600 lb. Dry POWDER MIXERS.
2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.
1—Dopp 500 gallon cast iron jacketed KETTLE.
1—J. H. Day auger POWDER FILLER. 2—Stokes No. 15.
2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
6—250 gal. closed GLASS-LINED TANKS.
1—Pneumatic Scale six head Capping Machine.
Approximately 300 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

TABLET MACHINES

2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
4—Stokes "R" single punch, maximum 2-½" dia.
4—Stokes "F" single punch, maximum ¾" dia.
1—Stokes "N" single punch, maximum ½" dia.

SPECIAL

1—4 Roll Williams "Comet" Pulverizer with air classifier, complete. Mill and fan motors and spare parts included. New 1941.
1—No. 4237 Raymond High Side Pulverizer for extremely fine grinding and air separation.
2—No. 30 NF Williams All Steel Hammer Mills.
8—No. 10-E-C Sprout-Waldron Saw Tooth two-roll Crushers.
3—8'x30" Hardinge Conical iron-lined Mills with herringbone steel gears arranged for direct motor connection. Also: 1 8' x 30" silex-lined.

VIBRATING SCREENS

1—Robins "Gyrex" 3'x8'6", 2 decks, V-drive and 5 HP motor.
1—Kennedy 3'x7', 2 decks, V-drive and 5 HP motor.
4—Tyler Hummer, 3'x5' No. 33, two 4'x5' No. 39, single.
2—Sturtevant 3'x6' Moto-Vibro, single deck, all enclosed.
1—40"x84" Rotex, single deck.
6—UNUSED Robins, "Vibrex" 3'x7', single deck.

GEAR REDUCERS and MIXERS

24—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.
26—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

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Aldridge Pump Co. Vertical Triplex HYDRAULIC PUMPS equipped with Herringbone Gears, 2¾" x 8", 67.5 gpm. Maximum pressure for intermittent duty 2,200 lbs., for continuous duty 1,800 lbs. Pump and motor mounted on common bed plate. Motors are 75 HP, 3/60/220-440 volts, 740 RPM. Complete with starting panel, consisting of G. E. motorstarter switch, push button control, square "D" Switch, and capacitator. These pumps were purchased new 3½ years ago. Excellent condition. Available for immediate delivery.

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3—DRY VACUUM PUMPS, Ingersoll-Rand, 1048 CFM, each 17"x 10", Duplex, with belt idlers for short drive.

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2—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40".
5—Rotary Dryers, 6'x18', 6'x60', 7'x51', 10'x90'.

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10—Aluminum Kettles, 40, 60, 80, 100 gals.
4—Stainless Steel Kettles, 80 gals.
1—Pneumatic Scale, 8 Spout Bottle Filler with Single Head Automatic Capper.
2—32" C.I. Plate & Frame Filter Presses, 36 Chambers.
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6—30"x30" C.I. Recessed Filter Presses, 36 Chambers.
1—36"x36" Wood, Plate & Frame Filter, 36 Chambers.
1—Lehman 4 Roll High Speed Mill, 13"x32".
1—Fletcher 30" Suspended, Solid Basket, Centrifugal, 1,200 RPM.
1—Colton No. 2 Combination Filler, Closer & Crimper.
3—No. 7, No. 10 Sweetland Filters.
2—Alsop Sealed Disc Filters.
10—1,000 and 2,000-lb. Powder Mixers, NEW.
6—Baker Perkins and Readco 100 gal. Jacketed Mixers.
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2—Lehman 5 Roll Roller Mills, 20"x48".
1—100 gal. Pebble Mill.
1—Abbe ½ gal. 10 jar Mill, Motor Driven.
1—Schutz O'Neil 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Day 18" Ointment Mill.
3—Abbe Blutergoss Sifters.
3—Rotex Sifters, 20"x48", 40"x56".

1—No. 150 Kelly Pressure Filter.
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6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
2—Oliver Filters, 8'x12'.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—ATM 40" Centrifugal, direct Motor driven, perforated basket, 1,200 RPM.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
1—Fletcher Centrifugal, 30" Suspended type, solid basket, 1,200 RPM.
1—Tolhurst 32" Suspended, motor driven, Monel, perf. basket.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100 to 1,500 gal.
6—Pfaudler Jktd., Agtd. Kettles, 100, 125, 200 gal.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

6—Stokes "T," 1¼".
8—Stokes "R," 2½".
1—Stokes Rotary DD82, 1 7/16".
10—Stokes Rotary D4, 31/32".
2—Kux, 2½" to 4".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
6—Stokes "F," ¾".
5—Colton Single Punch, ⅝".

All the above practically new, ready for prompt shipment.

1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.

3—Stokes and Smith auger type powder fillers.
1—Colton No. 2 Combination Filler, Closer & Crimper.
2—Burt Automatic Can Labelers.
1—Filler Machine, 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
1—Schaeffer Poidometer, 20"x4'.

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1—Stokes & Smith single unit gross weight scale with auger and funnel.

1—CECO Adjustable Carton Glue Sealing Machine. In excellent condition.

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10—Sperry 32" Iron Filter Presses.
14—Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia.
11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
1—Chrystie 80'x45' Rotary Dryer.
3—Oliver Rotary Vac. Filters, 8'x10' and 5'x6'.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8' Conical Ball Mill.
1—Gayco 3' Centrif. Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. Motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Pfaudler Glass lined, jacketed, agitated Kettles, 350 & 400 gals.
10—Stainless steel, jacketed Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum jack. Kettles, 60, 80 & 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
1—Stokes ½" Eureka Tablet Machine.
1—Hammer Mill, 7½ H.P.
1—Williams No. 3 "Regular" type Hammer Mill.
1—Stedman 32" Single Roll Crusher.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
4—Day Pot Mills, 24"x32" dia.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
4—No. 0000 and No. 0 Raymond Mills.
10—Closed steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. jack. agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined Kettles.
1—700 gal. steel, copper lined vac. Filter Tank.
1—Dopp 50 gal. jacketed Kettle.
15—50 gal. steel Mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal., single & double arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless steel Centrifuge.
2—DeLaval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders, up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Shutz-O'Neill 20" Pulverizer.
2—Double Roll Crushers.
300 ft. 12" Roller Conveyor.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

APPROVED DEALER
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Write for Complete Bulletins
We Buy Your Surplus Machinery

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Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

Stein, Hall Opens Second N.Y. Office

Stein, Hall & Co., importer and manufacturer of industrial commodities, New York, announces the opening of a New York sales branch office in the Empire State Building. Enlargement and reorganization of the company's New York sales staff required more space than was available in the home office at 285 Madison avenue.

The New York sales branch, under the direction of C. J. Dunachie, manager; and E. M. Clevan, assistant manager, will serve accounts in the metropolitan area and surrounding territory.

Vollertsen Retires From Armour & Co.

J. J. Vollertsen has retired as head of the research development division of Armour & Co., Chicago, after thirty-seven years with the firm and the Morris Packing Company, which Armour absorbed.

Casein Co. Develops Adhesive

A new phenol-type adhesive has been developed by the Casein Company of America, division of the Borden Company. It is especially formulated for bonding wood with radio-frequency equipment. The product is called "Cascophen RS-228."

IMMEDIATE DELIVERY

1—Devine 4 shelf Vacuum Dryer, 28"x28".
3—Kent 3 roll mills—water cooled.
3—Mikro Pulverizers.
2—12" x 12" Lead-Lined filter presses—complete with diaphragm, pump and motor.
2—Jones Cartoning Machines, ½ to 8 oz.
2—M&S 4 and 6 pocket fillers.
3—Powder mixers—100 to 400 lb.
5—K.K. & U.S. Bottle Rinsers.

10—NEW VACUUM FILLERS.
5—NEW 1,000 LB. MIXERS.
10—NEW NO. 20 HAMMERMILLS.
20—NEW S. S. TANKS AND KETTLES, 30 TO 200 GALLONS.
10—S. S. SYPHON FILLERS.

2—Charlotte S. S. Colloid Mills, 30 & 50 H.P.
1—Read 77 gal. jacketed mixer.
1—40 gallon Pony Mixer.
3—W&P jacketed mixers—2.35 gal.
1—Shriver 24x24" Rubber Covered Filter Press.
3—Karl Kiefer Gravity Fillers.
3—MacLellan Batch Mixers, O.S.

Send for Our Latest Bulletin No. 1046

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel: WOrth 4-8130

FOR SALE

5—Stain. Steel Kettles: 40, 60, 200 gal.
1—Tolhurst 40" laundry Centrifugal.
1—No. 10 Day Imperial Mixer.
5—(New) 250 gal. closed Aluminum Tanks.
1—Kinney rotary Pump, 2½x3", 10 hp.
2—Packomatic Powder Fillers and Sealers.
2—Day auger Powder Fillers.
20—2" stain. steel Angle Valves.
2—Powder Mixers: 2,000 and 3,000 lbs.
1—U. S. 10-spout hard rubber Filler.
10—Portable Electric Mixers: ¼, ½, 1 hp.
1—Elmes 3-piston Hydraulic pump, 5 hp.
1—Austin-Western No. 3 Gyratory Crusher.
4—Water Stills: 10 and 25 G.P.H.
1—300 gal. Jac. ag. Glass-lined Tank.
2—20" Attrition Mills, 15 hp. motors.
1—Revolvator elec. Hoist, 800 lbs., 16' lift.

What equipment have you for sale?
LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

2—Pfaudler, Stainless Steel Tanks, 132" x 223", steel jacketed for hot or cold water, 13,500 gals.

1—Dopp 300 gallon jacketed kettle.
2—Readco Heavy Duty Jacketed Mixers, 150 gallon capacity.
1—Readco Heavy Duty Jacketed Shredder.
2—Buffalo Vacuum Drum Dryers, 3'x2"x4'6".
1—Buffalo Vacuum Drum Dryer, 5'10"x10'.
2—Louisville Steam Tube Dryers, 6'x50'.
13—Sharples Super Pressurite Centrifuges, 3 HP Explosion-Proof Motors.
2—Abbe continuous tube mills, 4½'x15'.
1—Hardinge Conical Ball Mill, 8'x30", Silex lined.
4—Sweetland Filter Presses, No. 7, No. 10 & No. 12.

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

JUST PURCHASED

1—DAY 16" x 40" Three Roll Water-Cooled Mill.
1—ROSS 12" x 30" Three Roll Water-Cooled Mill, M.D.
1—PFAUDLER Horizontal 6,000 gal. S.S. Jacketed, Insulated and Agitated Tank.
5—WITTEMAN Double Drum Atmospheric Dryers, 22" x 38".
1—DELAVAL No. 600 M.D. Centrifuge.
6—COPPER COATING PANS, 24"-30"-38".
3—BUFFALO Foundry Jacketed Vacuum Crystallizers, 6' dia.
1—600 gal. Copper-Jacketed Kettle with Anchor type Agitator.
5—Automatic WEEKS Labelers.
2—CAPEM Automatic 4 Spindle Screw Cappers.
1—Pneumatic Scale 6 Spindle Automatic Capper.
1—KARL KIEFER 12 Stem Rotary Vacuum Filter.
2—KARL KIEFER 72 Stem Rotary Rinsers.
2—STOKES & SMITH G-1 Universal Powder Fillers.
7—Triangle Glue Applicators, M.D.
4—Raymond 8" Pulverizers. Expl. proof motors.
11—NEW S.S. Jacketed Kettles, 100-200 gal. capacity.
1—ROSS 20 gal. Heavy Duty Pony Mixer.
11—Single Punch and Rotary Tablet Machines, ¼ to 1½" dia.
20—NEW S.S. Tanks, 60-100-200 gal. capacity.

WHAT HAVE YOU FOR SALE?
SEND FOR OUR LATEST BULLETINS
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533 West Broadway New York 12, N.Y.
GRamercy 5-0680

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6 Hubert Street, New York 13, N. Y.

FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2—100 gal.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt, $15.00 each.
Copper Tank with Agitator and Coil, 66" dia. x 7' high.
1—International Centrifuge, size 3, type FS, stainless steel with motor.
1—DeLaval Lab. Separator with ½ H.P. Motor.
1—18-spout Karl Kiefer Rotary Filler.
10—New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
6—Stokes Rotary Tablet Machines, Model RD-4.
6—New Clevon Can Filling Machines.

SPECIAL
2—New 3-spout Vacuum Fillers—Stainless Steel.

H. LOEB & SON
4643 LANCASTER AVENUE PHILADELPHIA 31, PA.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Positions Vacant and Positions Wanted—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six word or fraction.

AGENCIES WANTED

Sales representative: Technically trained, covering Minnesota, Wisconsin and North and South Dakota, is looking for additional lines. Address: Technical Supply Company, 517 Northwestern Bank Building, Minneapolis, Minnesota.

Established Mexican firm—extensive experience and acquaintance with principal Mexican Consumers of industrial finishes (paints, lacquers lacquer thinners, polish, enamels, varnishes, stains, fillers) desires to represent some U. S. or Canada manufacturer on exclusive basis. Write sending catalogs, prices, details to: Ferreterias Monterrey, Juarez 119 Sur, Apartado 432, Monterrey, N. L., Mexico.

EQUIPMENT WANTED

One open top Dopp kettle, capacity between 350 and 600 gallons, guaranteed for 110 lbs. steam pressure, 200 lbs. hydrostatic pressure; delivery within 6 weeks. OPD 329.

FOR SALE

1—Dryer, Atmospheric, Double Drum, Buffalo, 32" dia. x 52" long.
5—Dryers, 22" x 38", Witteman, Double Drum.
1—Dryer, Louisville Rotary, 6' x 30'.
2—Swenson-Walker Crystallizers, 3 Sections, 24" x 26" x 10' ea., Jacket & Ribbon Agitator.
1—Houck Mfg. Co. Corking Machine, Model CW-38.
3—Pneumatic Scale 6-Head Automatic Cappers & Selector Heads.
1—Meyer 8-Wide Automatic Soaker.
4—Sperry Filter Press Skeletons, 32" & 24".
27—Pot Filters, Stainless Steel.
1—Zahm & Nagel 24" All Bronze Filter Press.
1—Kelley Filter Press, 20 x 36.
1—Bowser Leaf Filter.
2—LaVal Master Model Stone Filters, 9.5 GPM and 5 GPM.
2—Karl Kiefer 6-Spout Syphon Fillers.
11—Stainless Steel Tanks, 6 Gals.
5—100 Gallon Glass Lined Storage Tanks.
2—Steel Mixing Tanks, 9½' Dia. x 3' Deep, Fully Jacketed & Agitated.
2—New Copper Tanks, 1,000 Gals.
2—New Stainless Steel Tanks, 2,500 Gals.
2—Stainless Steel Jacketed & Agitated 1,400 Gallon Tanks.
1—J. H. Day Paint Mill, Harris 000.
5—Iron Kettles, 100 Gals., Jacketed & Agitated, 34" x 34".
5—Stainless Steel Steam Jacketed Kettles, 100 Gals., 40 Lb. W.P.
1—N. J. Automatic Labeler, Front & Back.
1—World Straightline Automatic Labeler.
4—Ermold 6-Wide Automatic Labelers.
2—Rotary Automatic Labelers, Liquid O. & J.
12—Semi-Automatic Labelers, World, Ermold & National.
1—Jewell 250 GPH Water Still.
1—Barnstead Solvent Recovery Still.
1—Nash Rotary Vacuum Pump, size H-6.
1—Duriron Centrifugal Belt Driven Pump, 4" x 32".
2—American Well Works Downie Stainless Steel Pumps, 8".
2—Ingersoll-Rand Bronze Centrifugal Pumps, Model 1½ RVH.
4—Colton 14-Punch Rotary No. 2 Tablet Presses.
10—Stokes Rotary Tablet Presses.
2—Sharples No. 6 Pressurette Centrifuges.
2—Island Equipment Co. Bottle Unscramblers & Feeding Table.
5—Pneumatic Scale Co. Inverted Bottle Cleaners.
1—Copper Coil Vacuum Pan, 14'.
2—Belt Conveyors, 6" wide, 117'6" c. to c.
1—Colton Rotary Clipper & Closer, No. 2.

NEW EQUIPMENT

Stainless Steel Storage & Mixing Tanks.
Pumps, Centrifugal & Rotary.
Conveyors, Solid Roller & Skatewheel.
Industrial Pressure Leaf Filters.
Stainless Steel Steam Jacketed Kettles.
Piston, Vacuum & Syphon Fillers.

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FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank-car lots. We handle simple and difficulty-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 334.

MATERIALS OFFERED

A limited quantity thyroid U.S.P. quality (0.17 to 0.23% iodine), available February, 1947. Inquire: PE. 6-8375 or Bernau & Co., Inc., Empire State Building, New York 1. N. Y.

2,100 lbs. Lacticam; manufactured by Milk Minerals Co.; 1,500 lbs. Diastatic dry malt, manufactured by Anheuser Busch. (Samples available upon request.) OPD 322.

Will trade paint industry raw materials. We offer refined glycerine, formaldehyde, maleic anhydride, tall oil, amberol 801P resin, alkyds of known brands, new 55-gallon oil type drums, zinar and 5-gallon cans. Our No. 1 choice is titanium dioxide. Second choice other white hiding pigments. Will also consider pentaerythritol and phthalic anhydride. Wire or mail reply: attention president, this box number. We will contact you by phone. OPD 323.

Testosterone crystals for immediate delivery. Write P. O. Box 6559, East Germantown Station, Philadelphia, Pa.

For Sale—Carload snow white petrolatum, carload lard oil, carload tallow oil, carload paraffine wax, semi-ref. 124/26 AMP; pine oil, butyl alcohol, cocoanut oil and fatty acid, naphthenic acid, petroleum sulphonates. OPD 325.

Clearance Sale—2 drums edible corn oil, 2 tankcars Forum 40 floor oil, 1 barrel Metso 22, 1 drum hydrated magnesium chloride, 2 drums white palm oil, 1 drum yellow U.S.P. petrolatum, 1 drum red oil, 22 drums K-grade rosin, 1 drum C.P. sodium oxalate, 1 drum scale wax, 1 drum Surfex wetting agent. 2 barrels B-grade tallow, standard 16,000-gallon gasoline tank and unloading unit, 2 50-cu. ft. mica driers, Tyler-Hummer 3x5 ft. screen, Wolf 80-cu. ft. powder mixer, 75-gallon armature-impregnating vat. Write Hubert J. Privette, Rockingham, N. C.

Sodium bicarbonate — U.S.P. powder. Have 450-100 bags for sale. State highest offer f.o.b. Brooklyn, N. Y. H. Levy, 1139 N. 41st street, Philadelphia 4, Pa.

MATERIALS WANTED

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 333.

Will Buy
surplus lots
new or used
Steel Drums
NEWARK STEEL DRUM CO.
LINDEN, N. J.
C. J. Colville, Pres. Linden 2-4466

We are principals acting in our own behalf willing to
PAY YOU IMMEDIATE CASH
For ASSETS or CAPITAL STOCK of . . .
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FOR SALE
3 DEVINE ROTARY VACUUM DRYERS
5 FT. BY 33 FT.
GOOD CONDITION WITH REDUCTION UNITS
NO MOTORS
Dehydrating Process Co.
10 High Street Boston 10, Mass'

MATERIALS WANTED

Will pay premium prices for titanium pigments, lithopone, zinc sulfide, or any other white hiding pigment. All replies will be held confidential. OPD 324.

Will buy immediately carload and less carload quantities of sodium lactate (50%). OPD 328.

Wanted—Carbolic acid, caustic soda, formaldehyde, all kinds of dyestuffs; January-February shipment; any quantity. Sinex Company, 15 William street, New York 5.

Wanted at once, any quantity, para phenetidine, acetophenetidine or phenacetin, phenol, urea, caustic; ethylene glycol. Please write, quoting price and delivery, to OPD 332.

POSITIONS VACANT

Chemist—experienced in formulating for pyroxylin and vinyl coatings. Excellent opportunity. State age, education and experience. OPD 314.

Chemist, young man, preferably some experience in analysis of drugs, essential oils and flavors, wanted by old-established firm. Steady position, excellent chance for advancement. Write, stating qualifications, references and salary expected, P. O. Box 210, Dobbs Ferry, N.Y.

Salesman with technical background, preferably experienced raw materials, covering Metropolitan New York paint manufacturers. Give history experience, salary desired. OPD 326.

Manufacturer's representative with paint dealer and industrial plant connections: A leading shellac manufacturer, established in 1868, seeks representation in Central Pennsylvania. Prefer individual or company, now representing reliable paint and varnish house, who would like to add shellac to list of products. Give full information relative to experience, area covered and firms represented. Commission basis. OPD 327.

POSITIONS WANTED

Employers: for executive, sales, production, research, development and control personnel in the chemical process industries call Chemical Department, Position Securing Bureau, Inc. (Agency), 45 John street, New York City. Telephone COrtlandt 7-9650. Confidential and careful placements.

POSITIONS WANTED

Available immediately: a man of wide and diversified experience, domestic and export; 25 years' successful association with chemical industry offers services as sales manager or kindred administrative responsibility. Impeccable references. Confidential personal interview solicited. Location, New York City. OPD 335.

Chemist, resourceful and reliable, 5 years' experience, including 2 years research and development paints, lacquers, textile printing inks; seeks position as production assistant, sales service or manufacturing chemist. OPD 336.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N. Franklin street, Chicago 10, Ill.

Pharmaceutical consultant chemist. Extensive experience in formulating new medicinal and cosmetic preparations. Will aid you in plant setup and technical control of finished products. Has own analytic and research laboratory in New York City. OPD 331.

N.J. Standard, Socony To Buy Iran Crude

An agreement under which Standard Oil Company of New Jersey and the Socony-Vacuum Oil Company would purchase large quantities of Iran-Iraq crude petroleum for a ten to twenty-year period from the Anglo Iranian Oil Company, has been announced.

This agreement, it was said, provides for prior investigations of the possibility of constructing a pipeline, to be owned in part by Jersey, from the Persian Gulf to the Eastern Mediterranean. It is expected that under such a contract the volume of Jersey's crude oil purchases would increase gradually over the period of the agreement to meet the expected increase in world demand for petroleum products.

A preliminary agreement on a separate proposed transaction looking toward increased utilization of Middle East crude by Jersey affiliates was also confirmed by Standard Oil Company (New Jersey).

CHEMICAL SALES MANAGER

A well-established, medium-sized, progressive manufacturer of chemicals has an executive opening, on a straight-salaried basis, for a technically-trained college graduate, age 35 to 40, who has specialized in chemical sales for the past 15 years.

The position requires knowledge of a wide variety of industrial fields including chemicals, textiles, and pulp and paper.

The man must have proved his ability to direct a small group of chemical salesmen, and to personally sell major executives in the more important industries. Only men who have met and sold all types of customer need apply. Travel will be at least 50%, operating throughout the territory east of the Mississippi with headquarters at the plant, located in a medium-sized community.

This is an opening for a man interested in associating with an active organization and who has the training, initiative, imagination, energy, and know-how to advance to the position of General Sales Manager. Attractive home in residential area available; also wage dividend, and group insurance.

Please include complete outline of your industrial background, college training, personal activities, salary expected, and all other pertinent information. Application will be held in strict confidence. Box 330, Oil, Paint and Drug Reporter.

AMMONIA COMPRESSORS
6—4" x 4" Frick Ammonia Compressors, 2 cylinder, vertical, single acting, type-G, complete with V-Belt drive, 10 H.P. 220/440 volt, 3 phase, 60 cycle, 1745 RPM motor.

AGITATORS
12—New Patterson Agitators, 1 H.P., 3 phase, 60 cycle, 1200 RPM motor, complete with 60" type 316 stainless steel shafts and gear reducers, 400 RPM output.

WATER STORAGE TOWER
1—100,000 gallon water tank mounted on 125' structural steel frame, complete with stand pipe and ladders.

MILL
1—30 x 24 Jeffrey Hammer Mill, type A.

TANKS
4—24' dia. x 20' high x 5/8" steel Horton vertical tanks. Riveted construction in three sections.
Horizontal Steel Storage Tanks from 1,000 to 20,000 gallon capacity. 3/8" and 1/4" plate, dished heads, welded construction. New 1942.

DRYER
1—5' x 30' Ruggles Cole double shell dryer, type A.

WARMING TANKS
8—4,915 gallon Vertical Warming Tanks 9'6" x 8', straight side, 5/16" thick, low carbon steel welded and stress relieved. Dished bottom 22¾". Flanged, bolted dished head 19⅜", test pressure 60 lbs., 2" coil, 7' diameter, 5½' high inside the bottom of tank. Complete with 5 H.P., 3/60/220/440 volt, T.E.F.C. motor, direct connected to Philadelphia gear reducer, with carbon steel Agitator.

3—AMMONIA OR HIGH PRESSURE STORAGE TANKS—LIKE NEW
7'11" I.D. x 39' 5⅜" long, shell 1-3/32", heads 1". Constructed according to ASME Code U69. 200 lb. W.P., 400 lb. hydrostatic test. Fitted with bayonet heater. New 1942.

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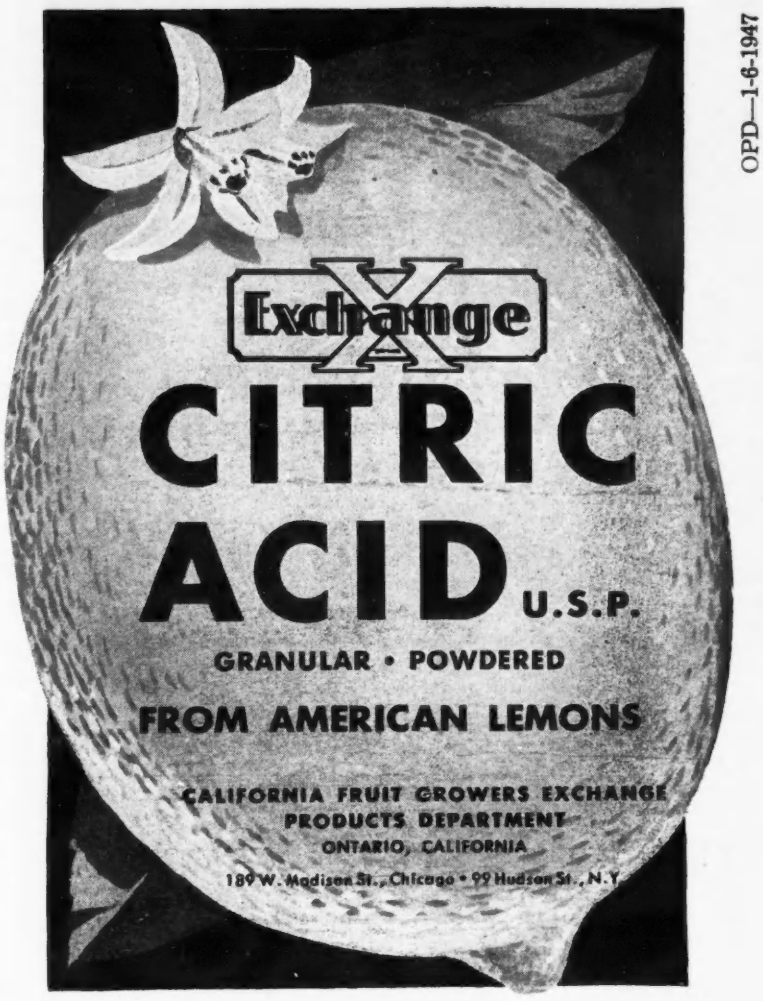
H.B. Boyd, Price Director for PMA, Quits

OPD Washington Bureau

H. B. Boyd, director of price of the Production and Marketing Administration, resigned last week to enter private industry. Mr. Boyd has been director of price for the Production and Marketing Administration since 1944. He had been with the Department of Agriculture for approximately thirteen years.



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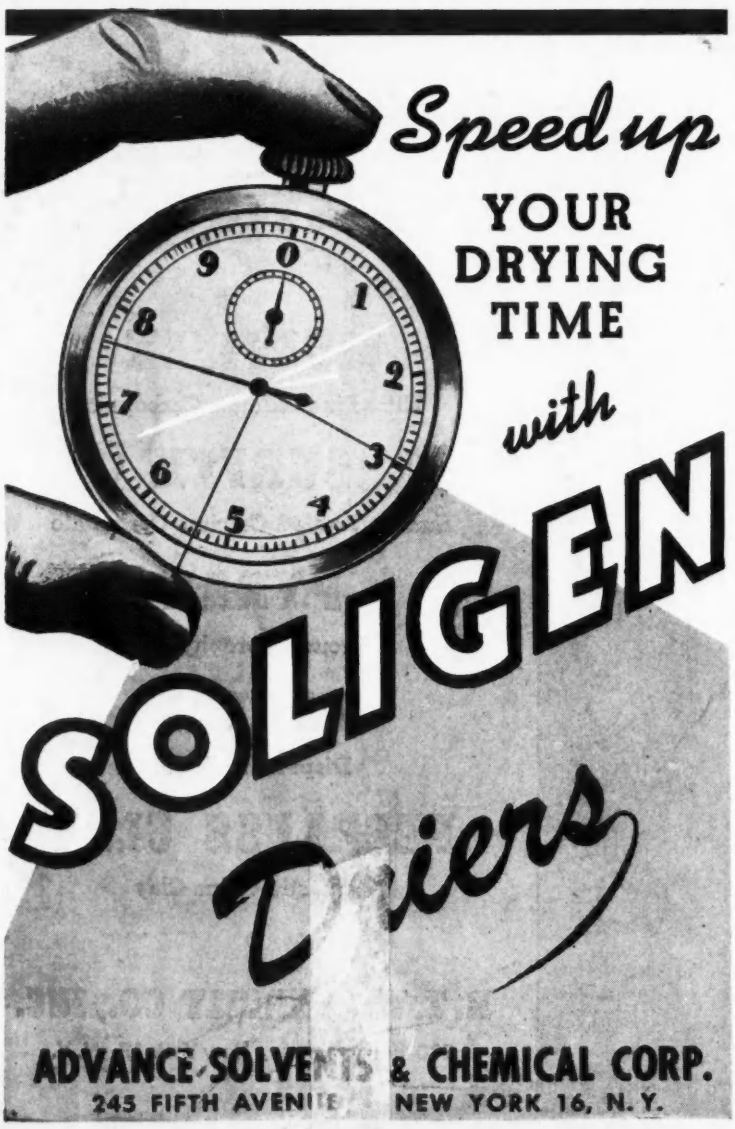

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